

Experiment Number: 93005-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green
CAS Number: 569-64-2

Date Report Requested: 10/23/2014
Time Report Requested: 09:58:20
First Dose M/F: NA / NA
Lab: NCTR

C Number: C93005
Lock Date: 12/02/2008
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Female
PWG Approval Date: NONE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 1

TRT#: 4

SEX: Female

DAY ON TEST: 111

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

MISSING

* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland		Metaplasia	Squamous, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
		Pigmentation	Moderate
[Pigmentation TGLS = 3-11]			
* Kidney	Renal Tubule	Necrosis	Moderate
* Liver		Vacuolization Cytoplasmic	Mild
Note: TGL 1-NCL			
* Lung		Hemorrhage	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Pancreas		Inflammation	Mild
* Spleen		Pigmentation	Moderate
* Thymus		Hyperplasia	Reticulum Cell, Moderate

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Necrosis

Animal Note: TGL 2-NST (Bone Vertebra)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 6	TRT#: 4 DOSE: 600 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 323 HISTO: 021280200006
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 1-6A]	Carcinoma	
* Kidney	Mineralization	Mild
* Liver Note: TGL 2-NCL		
* Lung Note: TGL 3-NCL		
* Lymph Node, Mandibular	Infiltration Cellular	Plasma Cell, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Plasma Cell, Mild
* Spleen	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 11

TRT#: 4

SEX: Female

DAY ON TEST: 378

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

MISSING

* Thymus

AUTO PRECLUDES DIAG.

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

* Brain Note: TGL 4-NCL			
* Eye Note: TGL 3-NCL	Retina	Autolysis	
* Kidney		Mineralization	Mild
* Liver [Necrosis TGLS = 1-6]	Centrilobular	Necrosis	Moderate
* Lung Note: TGL 2-NCL			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- Liver Centrilobular Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 12

TRT#: 1

SEX: Female

DAY ON TEST: 401

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Clitoral Gland	Carcinoma	
* Kidney	Mineralization	Mild
* Liver	Hematopoietic Cell Proliferation	Minimal
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-16]		
* Parathyroid Gland		
Note: Parathyroid cut away		
* Skin		
Note: TGL 1-noted grossly as skin was mammary gland		
* Spleen	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-2]		
* Thymus		
Note: Thymic area present		

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 443

DOSE: 100 PPM

DISP: Natural Death

HISTO: 021280200013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Eye	Retina	Autolysis	
Note: TGL 4-NCL. Gross appearance due to autolysis.			
* Kidney		Mineralization	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6A]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-16A]			
[Leukemia Mononuclear TGLS = 6-16]			
* Mammary Gland		Hyperplasia	Moderate
* Ovary			
Note: TGL 3-NCL. Gross appearance due to normal corpora lutea.			
* Pituitary GI			
Note: TGL 5-NCL			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 443

DOSE: 100 PPM

DISP: Natural Death

HISTO: 021280200013

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-2]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 14

TRT#: 1

SEX: Female

DAY ON TEST: 443

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
		Inflammation	Mild
[Carcinoma TGLS = 2-16]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
* Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Mild
* Mammary Gland	Duct	Dilatation	Minimal
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin			
Note: TGL 2-noted grossly as skin was clitoral gland			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 1-2]			
* Thymus			
Note: Thymic area present			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 14

TRT#: 1

SEX: Female

DAY ON TEST: 443

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200014

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 15

TRT#: 4

SEX: Female

DAY ON TEST: 454

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

MISSING

* Pituitary Gland

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
* Esophagus		Dilatation	Moderate
[Dilatation TGLS = 3-2A]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver			
Note: TGL 1-NCL			
* Lung		Foreign Body	Moderate
		Inflammation	Chronic, Focal, Moderate
* Nose		Foreign Body	Moderate
		Inflammation	Suppurative, Moderate
* Pituitary Gl			
Note: Pituitary cut away			
* Spleen		Atrophy	Moderate
		Pigmentation	Moderate
[Atrophy TGLS = 2-2]			
* Trachea	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 15

TRT#: 4

SEX: Female

DAY ON TEST: 454

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200015

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Moderate

PRIMARY CAUSE OF DEATH

- Lung Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Nose Inflammation

Animal Note: Pathologist noted: Inflammation, moderate, suppurative - Ear, Middle Ear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 16

TRT#: 4

SEX: Female

DAY ON TEST: 443

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Bone Marrow		Atrophy	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-16]			
* Kidney		Mineralization	Mild
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Skin			
Note: TGL 1-noted grossly as skin was clitoral gland			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 17

TRT#: 3

SEX: Female

DAY ON TEST: 484

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

MISSING

* Parathyroid Gland	* Pituitary Gland
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OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-16]			
* Eye			
Note: TGL 4-NCL			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-16A]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-14A]			
* Parathyroid Gl			
Note: Parathyroid cut away			
* Pituitary Gl			
Note: Pituitary cut away			
* Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 17

TRT#: 3

SEX: Female

DAY ON TEST: 484

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200017

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2-noted grossly as skin was clitoral gland

* Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 1-2]

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

Animal Note: TGL 5-noted grossly as Tissue NOS was mesentery.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 18

TRT#: 2

SEX: Female

DAY ON TEST: 485

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 6-11]			
* Brain	Hypothalamus	Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-6]			
* Mammary Gland	Duct	Dilatation	Mild
		Galactocele	Moderate
[Galactocele TGLS = 1,2,3-16+16A+16B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Inflammation	Moderate
[Inflammation TGLS = 7-4]			
* Zymbal's Gland		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 19

TRT#: 3

SEX: Female

DAY ON TEST: 508

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Clitoral Gland		Carcinoma	
		Inflammation	Mild
[Carcinoma TGLS = 1-16]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 2-6]			
* Skin			
Note: TGL 1-noted grossly as skin was clitoral gland			

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 20

TRT#: 4

SEX: Female

DAY ON TEST: 508

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Eye		Cataract	Minimal
	Bilateral, Retina	Degeneration	Moderate
	[Cataract TGLS = 4-11]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Developmental Malformation	
		Inflammation	Granulomatous, Focal, Mild
	[Developmental Malformation TGLS = 3-6A]		
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1-16]		
* Ovary		Cyst	Mild
	[Cyst TGLS = 2-14]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 21

TRT#: 2

SEX: Female

DAY ON TEST: 494

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
Note: TGL 3-NCL			
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
[Fibroadenoma TGLS = 1-5]			
[Galactocele TGLS = 1-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-6]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 22

TRT#: 2

SEX: Female

DAY ON TEST: 512

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Focal, Mild
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-5]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Skel Muscle			
Note: TGL 2-noted grossly as skeletal muscle (diaphragm) was mesentery (abdominal fat)			
* Skin			
Note: TGL 1-noted grossly as skin was mammary gland			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 23

TRT#: 2

SEX: Female

DAY ON TEST: 539

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

MISSING

* Thymus

OBSERVATIONS

* Brain	Hypothalamus	Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Developmental Malformation	
	Bile Duct	Hyperplasia	Mild
	[Developmental Malformation TGLS = 3-6A]		
* Lym Node Mesen			
	Note: TGL 4-NCL		
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-6A]		
* Spleen		Pigmentation	Moderate
* Thymus			
	Note: Thymic area present		
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 1-6A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 23

TRT#: 2

SEX: Female

DAY ON TEST: 539

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200023

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 24

TRT#: 2

SEX: Female

DAY ON TEST: 540

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Peripheral Nerve	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
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OBSERVATIONS

* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Mild
	[Dilatation TGLS = 1-6] [Inflammation TGLS = 1-6]		
* Kidney		Mineralization	Mild
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	[Carcinoma TGLS = 5-7+7A]		
* Lym Node Mand	Note: Lymph node, mandibular obliterated by thyroid neoplasm		
* Lymph Node, Mesenteric		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLS = 3-4]		
* Ovary		Atrophy	Mild
* Parathyroid Gl	Note: Parathyroid glands were obscured by thyroid neoplasm		
* Pituitary Gland		Angiectasis	Minimal
* Saliv Glands			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 24

TRT#: 2

SEX: Female

DAY ON TEST: 540

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200024

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Salivary glands obliterated by thyroid neoplasm

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 4-16+16A]

PRIMARY CAUSE OF DEATH

- Thyroid Gland C Cell Carcinoma

Animal Note: TGL 4 - noted grossly as Tissue NOS was Thyroid gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 25

TRT#: 1

SEX: Female

DAY ON TEST: 533

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland		Adenoma	
	Duct	Dilatation	Moderate
	[Adenoma TGLS = 2-6]		
	[Dilatation TGLS = 3-6]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Lung		Sarcoma	Metastatic (Mesentery)
Mesentery		Sarcoma	
	[Sarcoma TGLS = 4-16]		
* Ovary		Atrophy	Moderate
	[Atrophy TGLS = 5-14]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 1-2]		
* Thymus			
Note: Thymic area present			

PRIMARY CAUSE OF DEATH

- Mesentery Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 25

TRT#: 1

SEX: Female

DAY ON TEST: 533

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200025

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 26

TRT#: 1

SEX: Female

DAY ON TEST: 535

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Brain	Cerebellum	Leukemia Mononuclear	
	Cerebrum	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-1]		
	[Leukemia Mononuclear TGLS = 9-1]		
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,7-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3]		
	[Leukemia Mononuclear TGLS = 3-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-5]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-16]		
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 26

TRT#: 1

SEX: Female

DAY ON TEST: 535

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200026

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 3 - noted grossly as pancreas was pancreatic lymph node

* Pituitary Gland

[Angiectasis TGLS = 8-6]

Angiectasis

Mild

* Spinal Cord

Hemorrhage

Minimal

* Spleen

[Leukemia Mononuclear TGLS = 2-2]

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 27

TRT#: 1

SEX: Female

DAY ON TEST: 526

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Eye | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Tongue |
| * Trachea | * Urinary Bladder | * Uterus | * Vagina |
| * Zymbal's Gland | | | |

MISSING

- | | |
|--------------------|----------|
| * Peripheral Nerve | * Thymus |
|--------------------|----------|

OBSERVATIONS

- | | | |
|---|-----------------------|------------------|
| * Adrenal Cortex | Leukemia Mononuclear | |
| * Adrenal Medulla | Leukemia Mononuclear | |
| * Clitoral Gland | Inflammation | Minimal |
| * Harderian Gland | Infiltration Cellular | Lymphocyte, Mild |
| * Kidney | Mineralization | Mild |
| | Nephropathy | Minimal |
| * Liver | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-6] | | |
| * Lung | Leukemia Mononuclear | |
| * Mammary Gland | Hyperplasia | Moderate |
| [Hyperplasia TGLS = 1-16] | | |
| * Ovary | Leukemia Mononuclear | |
| * Perph Nerve | | |
| Note: Sciatic nerve not present after re-embedding or wet tissue search | | |
| * Pituitary Gland | | |
| Note: Present in block 12 | | |
| * Spleen | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-2] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 27

TRT#: 1

SEX: Female

DAY ON TEST: 526

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200027

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: Thymic area present

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 28

TRT#: 1

SEX: Female

DAY ON TEST: 529

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina

MISSING

* Zymbal's Gland

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Mild
Note: TGL 3-NCL Gross appearance was probably due to a large dilated vein near medial surface of median lobe [Vacuolization Cytoplasmic TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Pancreas	Acinus	Atrophy	Minimal
* Skin			
Note: TGL 1- noted grossly as skin was mammary gland			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-14]			
* Zymbals GI			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 28

TRT#: 1

SEX: Female

DAY ON TEST: 529

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200028

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Zymbals gland cut away

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 29

TRT#: 1

SEX: Female

DAY ON TEST: 552

DOSE: 0 PPM

DISP: Natural Death

HISTO: 021280200029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Rectum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

MISSING

* Eye	* Harderian Gland
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla	Leukemia Mononuclear	
* Clitoral Gland	Inflammation	Mild
[Inflammation TGLS = 5-6A]		
* Eye		
Note: Missing at trim		
* Harderian GI		
Note: Missing at trim		
* Heart	Cardiomyopathy	Mild
* Kidney	Mineralization	Moderate
* Liver	Developmental Malformation	
	Leukemia Mononuclear	
[Developmental Malformation TGLS = 3-6]		
[Leukemia Mononuclear TGLS = 2-6]		
* Lung	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 29

TRT#: 1

SEX: Female

DAY ON TEST: 552

DOSE: 0 PPM

DISP: Natural Death

HISTO: 021280200029

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-2]	Leukemia Mononuclear
* Thymus	Leukemia Mononuclear
* Uterus [Polyp Stromal TGLS = 4-14]	Polyp Stromal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: Pathologist noted: Leukemia Monuc - Pancreatic Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 34

TRT#: 4

SEX: Female

DAY ON TEST: 570

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Peripheral Nerve |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Tongue | * Trachea | * Urinary Bladder | * Uterus |
| * Vagina | | | |

MISSING

- | | |
|---------------------|----------|
| * Parathyroid Gland | * Thymus |
|---------------------|----------|

OBSERVATIONS

- | | | | |
|--|---------------|-----------------------|-------------------------------|
| * Clitoral Gland
[Adenoma TGLS = 2-5A] | | Adenoma | |
| * Eye | Retina | Degeneration | Moderate |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Inflammation | Granulomatous, Focal, Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Lymphoid, Moderate |
| | | Infiltration Cellular | Plasma Cell, Moderate |
| * Mammary Gland | | Hyperplasia | Moderate |
| * Pancreas | | Infiltration Cellular | Lymphocyte, Minimal |
| * Parathyroid Gland
Note: Parathyroid cut away | | | |
| * Pituitary Gland
[Adenoma TGLS = 3-6] | Pars Distalis | Adenoma | |
| * Skin
Note: TGL 2 - noted grossly as skin was clitoral gland | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 34

TRT#: 4

SEX: Female

DAY ON TEST: 570

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200034

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: Thymic area present

* Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 1-12+16]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 556

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Zymbal's Gland	

MISSING

* Thymus

OBSERVATIONS

* Brain	Hypothalamus	Compression Hemorrhage	Moderate Mild
[Compression TGLS = 2-1]			
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Mild
* Lung		Inflammation	Chronic, Focal, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-6]			
* Thymus			
Note: Thymic area is present			
* Vagina		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 556

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200035

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 36

TRT#: 4

SEX: Female

DAY ON TEST: 546

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Zymbal's Gland		

MISSING

* Pituitary Gland	* Thymus
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OBSERVATIONS

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
			[Dilatation TGLS = 2-6A] [Inflammation TGLS = 3-6A]
* Eye	Retina Bilateral	Autolysis Cataract	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
* Liver		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 4-6]
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal Thoracic	Leukemia Mononuclear Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 5-16A] [Leukemia Mononuclear TGLS = 6-16]
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland			
Note: Pituitary cut away			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 36

TRT#: 4

SEX: Female

DAY ON TEST: 546

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200036

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-2]	Leukemia Mononuclear	
* Thymus Note: Thymic area present		
* Vagina [Inflammation TGLS = 7-14A]	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 37

TRT#: 4

SEX: Female

DAY ON TEST: 562

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Vagina			

MISSING

* Thymus

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	Turbinates	Osteopetrosis	Mild
* Clitoral Gland			
Note: Clitoral gland is on slide 14			
* Eye	Cornea	Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Infiltration Cellular	Lymphocyte, Minimal
* Lung		Carcinoma	Metastatic (Zymbal'S Gland)
[Carcinoma TGLS = 3-7]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Carcinoma	Metastatic (Zymbal'S Gland)
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 1-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 37

TRT#: 4

SEX: Female

DAY ON TEST: 562

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200037

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: Thymic area present

* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-14]

* Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 2-12+12A]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

Animal Note: Pathologist noted: Inflammation, mild - Mesentery, Artery

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 577

DOSE: 100 PPM

DISP: Natural Death

HISTO: 021280200038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla			
Note: Adrenal medulla has been cut away			
* Adrenal Cortex		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Autolysis	
		Cataract	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen	Capsule	Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 1-2A]			
[Leukemia Mononuclear TGLS = 2-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 577

DOSE: 100 PPM

DISP: Natural Death

HISTO: 021280200038

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Ectopic Parathyroid Gland	Mild
	Leukemia Mononuclear	

* Uterus
Note: TGL 3-NCL

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 39

TRT#: 4

SEX: Female

DAY ON TEST: 581

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 5-6]			
* Esophagus			
Note: TGL 3-NCL			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Note: TGL 6-NST			
* Liver			
Note: TGL 2-NST			
* Mammary Gland		Carcinoma	
		Hyperplasia	Minimal
[Carcinoma TGLS = 1-16]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Congestion	Moderate
[Congestion TGLS = 4-14]			
* Pituitary Gland	Pars Intermed	Cyst	Mild
* Saliv Glands			
Note: TGL 7-NST			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 39

TRT#: 4

SEX: Female

DAY ON TEST: 581

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200039

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin

Note: TGL 1- noted grossly as skin was mammary gland.

* Spleen

Hematopoietic Cell Proliferation

Mild

[Hematopoietic Cell Proliferation TGLS = 8-2]

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 40

TRT#: 1

SEX: Female

DAY ON TEST: 589

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adren Cortex			
Note: TGL 3-NCL			
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-6]			
* Eye		Cataract	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 2-14A]			

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 574

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Nose | * Parathyroid Gland | * Peripheral Nerve |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Stomach, Forestomach |
| * Stomach, Glandular | * Tongue | * Trachea | * Vagina |
| * Zymbal's Gland | | | |

OBSERVATIONS

- | | | | |
|----------------------|---|-----------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Atrophy | Mild |
| * Brain | Cerebrum | Leukemia Mononuclear | |
| * Clitoral Gland | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 16-6A] | | |
| * Eye | | Leukemia Mononuclear | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 9-8] | Mineralization | Mild |
| Lacrimal Gland | | Metaplasia | Mild |
| | [Metaplasia TGLS = 1-16C] | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 10-6] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 14-7+7A] | | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Thoracic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 12-16B] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 574

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200041

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-16]			
[Leukemia Mononuclear TGLS = 11-16A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Leukemia Mononuclear	
[Fibroadenoma TGLS = 5-5A]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2+2A]			
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-6A]			
* Salivary Glands		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-3A]			
* Thyroid Gland		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14A]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 42

TRT#: 2

SEX: Female

DAY ON TEST: 596

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
* Brain	Hypothalamus	Compression	Mild
[Compression TGLS = 3-1]			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Eosinophilic Focus TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 5-6]			
* Lung			
Note: TGL 7-NCL			
* Mammary Gland	Duct	Dilatation	Moderate
		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 42

TRT#: 2

SEX: Female

DAY ON TEST: 596

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200042

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6A]			
* Stomach, Forestomach		Edema	Mild
	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 8-4A]			
* Uterus	Cervix	Hypertrophy	Moderate
		Polyp Stromal	
[Hypertrophy TGLS = 1-14]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 610

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200043

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 44

TRT#: 4

SEX: Female

DAY ON TEST: 589

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* 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
* Peripheral Nerve	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Sarcoma TGLS = 4-11]		Sarcoma	Metastatic (Ovary)
* Adrenal Medulla [Sarcoma TGLS = 4-11]		Sarcoma	Metastatic (Ovary)
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart [Sarcoma TGLS = 9,10-3]		Sarcoma	Metastatic (Ovary)
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Centrilobular	Necrosis	Mild
		Sarcoma	Metastatic (Ovary)
		Vacuolization Cytoplasmic	Moderate
[Sarcoma TGLS = 7-6]			
* Lung [Sarcoma TGLS = 6-3+16]	Mediastinum	Sarcoma	Metastatic (Ovary)
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
Mesentery		Sarcoma	Metastatic (Ovary)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 44

TRT#: 4

SEX: Female

DAY ON TEST: 589

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200044

ORGAN AND ACCOUNTABLE SITE STATUS

[Sarcoma TGLS = 1-16]			
* Ovary		Sarcoma	
[Sarcoma TGLS = 3-14]			
* Parathyroid Gland			
Note: Parathyroid cut away			
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Atrophy	Mild
* Spleen		Sarcoma	Metastatic (Ovary)
[Sarcoma TGLS = 8-2]			
* Thymus		Sarcoma	Metastatic (Ovary)
* Thyroid Gland		Sarcoma	Metastatic (Ovary)
* Tongue		Sarcoma	Metastatic (Ovary)
* Uterus		Sarcoma	Metastatic (Ovary)
[Sarcoma TGLS = 2-14A]			

PRIMARY CAUSE OF DEATH - Ovary Sarcoma
 CONTRIBUTORY CAUSE OF DEATH - Liver Sarcoma Ovary

Animal Note: TGL 6 - noted grossly as lymph node was lung, mediastinum.

Animal Note: TGL 5 - NST (cavity, thoracic, fluid, red)

Animal Note: It is impossible to determine with certainty the primary site of the sarcoma. It was coded as ovary (site of the largest lesion [slide 14]).

Animal Note: Pathologist noted: Inflammation, mild, suppurative - Ear

Animal Note: Pathologist noted: Sarcoma, Metastatic(Ovary) - Bone, Maxilla

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 45

TRT#: 2

SEX: Female

DAY ON TEST: 598

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain [Compression TGLS = 5-1]	Hypothalamus	Compression	Mild
* Clitoral Gland [Inflammation TGLS = 1,2-6A]		Hyperplasia Inflammation	Mild Moderate
* Eye	Bilateral, Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver [Eosinophilic Focus TGLS = 3-6]		Eosinophilic Focus Infiltration Cellular	Lymphocyte, Mild
* Lym Node Mand Note: Mandibular lymph node cut away.			
* Mammary Gland		Hyperplasia	Marked
* Pituitary Gland [Adenoma TGLS = 4-6A]	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 45	TRT#: 2	SEX: Female	DAY ON TEST: 598
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 021280200045

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Inflammation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 46

TRT#: 1

SEX: Female

DAY ON TEST: 606

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Brain [Compression TGLS = 5-1]	Hypothalamus	Compression	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Infiltration Cellular	Lymphocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
* Mammary Gland [Hyperplasia TGLS = 1,2-5A+5B]	Duct	Dilatation	Moderate
		Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland [Adenoma TGLS = 6-6A]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:20

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 47

TRT#: 2

SEX: Female

DAY ON TEST: 613

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
	[Nephropathy TGLS = 4,8-8+8A]	Nephropathy	Minimal
* Liver		Carcinoma	Metastatic (Uterus)
	Note: TGL 7- NST (not found at trim)	Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 5-6]		
Mesentery		Carcinoma	Metastatic (Uterus)
	[Carcinoma TGLS = 1-16]		
* Pancreas		Carcinoma	Metastatic (Uterus)
* Pituitary Gland			
	Note: TGL 6-NCL		
* Spleen		Carcinoma	Metastatic (Uterus)
* Stomach, Forestomach		Necrosis	Mild
* Uterus	Endometrium	Carcinoma	
		Polyp Stromal	
	[Carcinoma TGLS = 2,3-14A]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 47

TRT#: 2

SEX: Female

DAY ON TEST: 613

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200047

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 48

TRT#: 2

SEX: Female

DAY ON TEST: 591

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-6]			
* Eye	Retina	Degeneration	Moderate
* Kidney		Mineralization	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6A]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-16]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Thymus			
Note: Thymic area present			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 48

TRT#: 2

SEX: Female

DAY ON TEST: 591

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200048

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 49

TRT#: 2

SEX: Female

DAY ON TEST: 600

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Peripheral Nerve | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Tongue | * Trachea |
| * Urinary Bladder | * Vagina | * Zymbal's Gland | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | |
|-----------------------------|-----------------------|---------------------|
| * Adrenal Cortex | Leukemia Mononuclear | |
| * Adrenal Medulla | Leukemia Mononuclear | |
| * Harderian Gland | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney | Mineralization | Mild |
| * Liver | Leukemia Mononuclear | |
| * Lung | Leukemia Mononuclear | |
| * Mammary Gland | Hyperplasia | Minimal |
| * Parathyroid Gl | | |
| Note: Parathyroid cut away. | | |
| * Spleen | Leukemia Mononuclear | |
| * Uterus | Polyp Stromal | |

[Polyp Stromal TGLS = 1-14]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 50

TRT#: 3

SEX: Female

DAY ON TEST: 603

DOSE: 300 PPM

DISP: Natural Death

HISTO: 021280200050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Brain [Compression TGLS = 4-1]	Hypothalamus	Compression	Mild
* Clitoral Gland	Duct	Dilatation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
Lacrimal Gland [Metaplasia TGLS = 5-16A]		Nephropathy	Mild
		Metaplasia	Mild
* Liver	Bile Duct	Basophilic Focus	Multiple
		Hyperplasia	Mild
		Necrosis	Mild
Lymph Node [Hemorrhage TGLS = 2-16]	Mediastinal	Hemorrhage	Moderate
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 3-6A]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus [Polyp Stromal TGLS = 1-14A]		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 50

TRT#: 3

SEX: Female

DAY ON TEST: 603

DOSE: 300 PPM

DISP: Natural Death

HISTO: 021280200050

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 51

TRT#: 1

SEX: Female

DAY ON TEST: 626

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 8-11]		
* Bone Marrow		Leukemia Mononuclear	
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
Lacrimal Gland		Metaplasia	Mild
	[Metaplasia TGLS = 1-16B]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-16A]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 13-13]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 51	TRT#: 1	SEX: Female	DAY ON TEST: 626
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 021280200051

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Mild
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Cyst	Mild
[Cyst TGLS = 2-14]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-6A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-2]			
* Thyroid Gland			
Note: TGL 10-NCL			
* Vagina			
Note: TGL 3 - NST (vagina, lumen, fluid, cloudy)			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 52

TRT#: 4

SEX: Female

DAY ON TEST: 605

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Moderate
	[Hyperplasia TGLS = 1-6A]		
	[Inflammation TGLS = 1-6A]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary			
	Note: TGL 3-NCL. Gross findings were new corpora lutea that were normal.		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Moderate
* Urin Bladder			
	Note: TGL 2-NCL		

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 53

TRT#: 3

SEX: Female

DAY ON TEST: 626

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 02128200053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
	[Basophilic Focus TGLS = 4-6A]		
	[Eosinophilic Focus TGLS = 3-6A]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-5A]		
* Ovary			
	Note: TGL 2-NCL Gross findings were due to normal corpora lutea		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin			
	Note: TGL 1- noted grossly as skin was mammary gland.		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 54

TRT#: 1

SEX: Female

DAY ON TEST: 619

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Zymbal's Gland	

MISSING

* Thymus

OBSERVATIONS

* Adren Cortex			
Note: TGL 4-NCL			
* Brain	Hypothalamus	Compression	Minimal
[Compression TGLS = 8-1]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
[Nephropathy TGLS = 3-8]		Nephropathy	Moderate
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 7-6]			
* Mammary Gland	Duct	Dilatation	Mild
[Galactocele TGLS = 1-5A]		Galactocele	Moderate
		Hyperplasia	Moderate
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 54

TRT#: 1

SEX: Female

DAY ON TEST: 619

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200054

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-6A]

* Spleen

Pigmentation

Moderate

* Thymus

Note: Thymic area present

* Vagina

Inflammation

Suppurative, Mild

[Inflammation TGLS = 5-14]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 6-NST (Thoracic Cavity)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 55

TRT#: 4

SEX: Female

DAY ON TEST: 620

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* 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	* Ovary	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

MISSING

* Clitoral Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gl			
Note: Clitoral glands missing at trim			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1,2-5A+5B]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Parathyroid Gl			
Note: Parathyroids cut away			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Skin			
Note: TGL 2- noted grossly as skin was mammary gland.			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 55

TRT#: 4

SEX: Female

DAY ON TEST: 620

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200055

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLS = 3-14A]

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 56

TRT#: 3

SEX: Female

DAY ON TEST: 627

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Brain	Hypothalamus	Compression	Mild
[Compression TGLS = 4-1]			
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[Eosinophilic Focus TGLS = 3-6A]			
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,6-5A+5B]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 58

TRT#: 4

SEX: Female

DAY ON TEST: 633

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Uterus	* Vagina	* Zymbal's Gland

MISSING

* Parathyroid Gland	* Peripheral Nerve
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OBSERVATIONS

* Adren Cortex			
Note: TGL 2-NCL			
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Clitoral Gland		Inflammation	Moderate
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Mammary Gland		Galactoceles	Moderate
		Hyperplasia	Mild
* Parathyroid Gland			
Note: Parathyroid gland probably cut away.			
* Perph Nerve			
Note: Sciatic nerve missing at trim			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6A]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1,3-5A+16]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 58

TRT#: 4

SEX: Female

DAY ON TEST: 633

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200058

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

[Hyperplasia TGLS = 5-4A]

* Urinary Bladder

Sarcoma

Metastatic (Skin)

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

Animal Note: TGL 3 noted grossly as tissue NOS was skin.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 59

TRT#: 4

SEX: Female

DAY ON TEST: 619

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Focal, Minimal
[Angiectasis TGLS = 3-11]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-5A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 2-14A]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin			
Note: TGL 1- noted grossly as skin was clitoral gland			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH - Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 60

TRT#: 3

SEX: Female

DAY ON TEST: 619

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Brain	Hypothalamus	Compression	Mild
[Compression TGLS = 9-1]			
* Clitoral Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Int Lg Cecum			
Note: TGL 11-NCL. Gross observation was normal Peyers patch.			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-16]			
[Leukemia Mononuclear TGLS = 7-16A]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 60

TRT#: 3

SEX: Female

DAY ON TEST: 619

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200060

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-6A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 61

TRT#: 4

SEX: Female

DAY ON TEST: 630

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Clitoral Gland	Duct	Dilatation	Mild
Note: TGL 2 - noted grossly as clitoral gland was mammary gland [Dilatation TGLS = 1-6A]			
* Esophagus		Foreign Body	
[Foreign Body TGLS = 6-2A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 4-16]			
* Liver	Centrilobular	Necrosis	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-6B]			
Mesentery	Fat	Hyperplasia	Minimal
[Necrosis TGLS = 5-16A]			
* Spleen		Necrosis	Moderate
* Uterus		Hematopoietic Cell Proliferation	Moderate
[Polyp Stromal TGLS = 3-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 61

TRT#: 4

SEX: Female

DAY ON TEST: 630

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200061

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Centrilobular Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 62

TRT#: 2

SEX: Female

DAY ON TEST: 641

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
[Dilatation TGLS = 3-6A]			
[Inflammation TGLS = 3-6A]			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,5-5A+5B]			
[Galactocele TGLS = 1-5A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 62

TRT#: 2

SEX: Female

DAY ON TEST: 641

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200062

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Vagina			

Note: TGL 4-NCL. Gross appearance due to vaginal distention by mucus.

PRIMARY CAUSE OF DEATH

- Clitoral Gland Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 63

TRT#: 4

SEX: Female

DAY ON TEST: 634

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* 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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow		Atrophy	Mild
* Clitoral Gland		Adenoma	
		Carcinoma	
[Adenoma TGLS = 3-6A]			
[Carcinoma TGLS = 2-6A]			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 6-16B]			
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
[Dilatation TGLS = 1,4,5-16+16A+5A]			
[Hyperplasia TGLS = 9-5B]			
* Ovary		Atrophy	Mild
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 63

TRT#: 4

SEX: Female

DAY ON TEST: 634

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200063

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Cyst was distended bursa

[Cyst TGLS = 7-14]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 8-6]

* Spleen

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

Animal Note: TGL 1 and 4 noted grossly as mesentery were mammary gland.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 64

TRT#: 1

SEX: Female

DAY ON TEST: 641

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Mild
[Dilatation TGLS = 3-6] [Inflammation TGLS = 3-6]			
* Eye	Bilateral, Retina	Degeneration Infiltration Cellular Leukemia Mononuclear	Moderate Lymphocyte, Minimal
* Harderian Gland		Mineralization Nephropathy Metaplasia	Minimal Minimal Mild
* Heart			
* Kidney			
Lacrimal Gland			
[Metaplasia TGLS = 1-16]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 8-6A]			
* Lung		Leukemia Mononuclear Infiltration Cellular	Plasma Cell, Mild
* Lymph Node, Mandibular			
[Infiltration Cellular TGLS = 2-13]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 10-5]			
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 64

TRT#: 1

SEX: Female

DAY ON TEST: 641

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200064

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 9-6]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
* Thymus		Cyst	Mild
[Cyst TGLS = 7-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-14]			
* Vagina			
Note: TGL 5-NCL Gross appearance due to vaginal distention with mucus.			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 65

TRT#: 2

SEX: Female

DAY ON TEST: 648

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain	Hypothalamus	Compression	Minimal
[Compression TGLS = 6-1]			
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 3-6]			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Minimal
[Metaplasia TGLS = 2-13A]			
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Mild
[Ectasia TGLS = 1-13]			
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 65

TRT#: 2

SEX: Female

DAY ON TEST: 648

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200065

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 7-6]

Pars Distalis

Adenoma

* Salivary Glands

Atrophy

Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-2]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 66

TRT#: 1

SEX: Female

DAY ON TEST: 631

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin			
Note: TGL 2 - noted grossly as skin was Zymbals gland			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
* Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-5A+12]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 624

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Brain	Hypothalamus	Compression	Minimal
[Compression TGLS = 8-1]			
* Clitoral Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-6]		Inflammation	Mild
[Inflammation TGLS = 1-6]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
[Mineralization TGLS = 10-8]		Nephropathy	Mild
[Nephropathy TGLS = 10-8]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6A]			
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Hematopoietic Cell Proliferation	Mild
	Lumbar	Hemorrhage	Mild
	Mediastinal	Hemorrhage	Mild
	Mediastinal	Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 6-16A]			
[Hemorrhage TGLS = 5-16]			
[Hemorrhage TGLS = 6-16A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 624

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200067

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-16]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-13]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 9-5]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-6]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 68

TRT#: 3

SEX: Female

DAY ON TEST: 652

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
[Hepatocellular Adenoma TGLS = 5-6B]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 68

TRT#: 3

SEX: Female

DAY ON TEST: 652

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200068

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 2 - noted grossly as skin was Zymbals gland

* Spleen

Pigmentation

Moderate

* Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 2-12]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 69

TRT#: 3

SEX: Female

DAY ON TEST: 659

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7,8-6]			
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Moderate
		Fibroadenoma	
[Fibroadenoma TGLS = 1-5A]		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Cyst	Mild
[Cyst TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-6A]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 69

TRT#: 3

SEX: Female

DAY ON TEST: 659

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200069

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-2]

* Stomach, Forestomach

Erosion

Mild

[Erosion TGLS = 9-4A]

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

* Vagina

Inflammation

Suppurative, Mild

[Inflammation TGLS = 4-14]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 70

TRT#: 1

SEX: Female

DAY ON TEST: 641

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
	[Leukemia Mononuclear TGLS = 4-8]		
Lacrimal Gland		Metaplasia	Mild
	[Metaplasia TGLS = 1-16]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6A]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-13]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-5]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 70

TRT#: 1

SEX: Female

DAY ON TEST: 641

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200070

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-2]	Leukemia Mononuclear	
* Stomach, Forestomach [Inflammation TGLS = 8-4]	Inflammation	Moderate
* Thymus	Leukemia Mononuclear	
* Vagina [Inflammation TGLS = 2-14]	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 71

TRT#: 3

SEX: Female

DAY ON TEST: 666

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
[Compression TGLS = 4-1]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Developmental Malformation	
	Bile Duct	Hyperplasia	Minimal
[Developmental Malformation TGLS = 6-6]			
* Mammary Gland	Duct	Dilatation	Mild
		Galactocele	Mild
		Hyperplasia	Mild
[Hyperplasia TGLS = 2-5]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6]			
* Stom Gland			

Note: TGL 5-NCL Gross appearance was due to normal ridge separating glandular from non-glandular stomach

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 71

TRT#: 3

SEX: Female

DAY ON TEST: 666

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200071

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 1-NCL. Gross observation was a normal lobule of pancreatic tissue, not an enlarged pancreatic lymph node.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 72

TRT#: 1

SEX: Female

DAY ON TEST: 661

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Peripheral Nerve	* Skeletal Muscle
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
* Brain		Hemorrhage	Minimal
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 1-6]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
Note: TGL 14 and 15-NCL			
[Leukemia Mononuclear TGLS = 17,18,19-6A]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-16]			
[Leukemia Mononuclear TGLS = 12-16A]			
[Leukemia Mononuclear TGLS = 11-16B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 72

TRT#: 1

SEX: Female

DAY ON TEST: 661

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200072

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 9-16C]

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-5B]

* Mammary Gland

Hyperplasia

Moderate

* Ovary

Atrophy

Mild

* Pancreas

Acinus

Atrophy

Mild

* Parathyroid Gland

Note: Parathyroids obscured by thyroid neoplasm.

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 13-6]

* Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

* Skin

Hyperkeratosis

Moderate

[Hyperkeratosis TGLS = 16-5A]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2,3-2]

* Stom Gland

Note: TGL 7-NCL

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 10-6]

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[Hyperplasia TGLS = 5-14]

* Vagina

Inflammation

Suppurative, Mild

[Inflammation TGLS = 6-14]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 73

TRT#: 3

SEX: Female

DAY ON TEST: 659

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Zymbal's Gland	

MISSING

* Ovary

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Brain	Hypothalamus	Compression	Moderate
[Compression TGLS = 5-1]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Moderate
[Inflammation TGLS = 6,7-6A]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 8-16A]			
* Nose			
Note: Nose sections are on slide 12			
* Ovary			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 73

TRT#: 3

SEX: Female

DAY ON TEST: 659

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200073

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Ovaries were probably cut away.

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 4-6]

* Stomach, Forestomach

Inflammation

Moderate

[Inflammation TGLS = 9-4A]

* Vagina

Inflammation

Suppurative, Mild

[Inflammation TGLS = 2-14]

* Zymbals GI

Note: Zymbals gland on slide 10

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 3-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 74

TRT#: 4

SEX: Female

DAY ON TEST: 654

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Necrosis	Minimal
Lymph Node	Deep Cervical	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-16]			
* Mammary Gland		Hyperplasia	Marked
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gl			
Note: Parathyroid cut away.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 3-5A]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Vagina		Prolapse	Moderate
[Prolapse TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 74

TRT#: 4

SEX: Female

DAY ON TEST: 654

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200074

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Vagina Prolapse

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 75

TRT#: 1

SEX: Female

DAY ON TEST: 667

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

MISSING

* Parathyroid Gland	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5,6-6]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
		Cyst	Mild
	[Cyst TGLS = 2-14]		
* Parathyroid Gl			
	Note: Search of wet tissue for parathyroid gland was unsuccessful		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		
* Thyroid Gl			
	Note: Search of wet tissue for thyroid gland was unsuccessful.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 75

TRT#: 1

SEX: Female

DAY ON TEST: 667

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200075

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Cervix

Hypertrophy

Moderate

[Hypertrophy TGLS = 4-14]

[Inflammation TGLS = 3-14]

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 76

TRT#: 4

SEX: Female

DAY ON TEST: 670

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Urinary Bladder	* Vagina	* Zymbal's Gland	

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Developmental Malformation	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Focal, Mild
[Developmental Malformation TGLS = 1-6A]			
* Lung		Foreign Body	Moderate
		Inflammation	Chronic, Focal, Moderate
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Moderate
		Hyperplasia	Mild
* Nose		Foreign Body	Moderate
		Inflammation	Suppurative, Moderate
* Ovary		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Trachea	Epithelium	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 76

TRT#: 4

SEX: Female

DAY ON TEST: 670

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200076

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Lung Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Nose Foreign Body

Animal Note: Pathologist noted: Inflammation, moderate, suppurative - Ear, Middle Ear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 77

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina			

MISSING

* Thymus	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain	Hypothalamus	Compression	Moderate
[Compression TGLS = 4-1A]			
* Clitoral Gland		Inflammation	Mild
* Eye		Cataract	Mild
	Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Mild
	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = 2-6]			
Lymph Node	Lumbar	Ectasia	Mild
	Lumbar	Hemorrhage	Minimal
[Ectasia TGLS = 3-16]			
[Hemorrhage TGLS = 3-16]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 77

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 600 PPM

DISP: Natural Death

HISTO: 021280200077

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland [Adenoma TGLS = 5-6A]	Pars Distalis	Adenoma	
* Thymus Note: Thymic area present			
* Uterus [Polyp Stromal TGLS = 1-14A+14B]		Hemorrhage Polyp Stromal	Marked
* Zymbals GI Note: Zymbals gland probably cut away			

PRIMARY CAUSE OF DEATH

- Uterus Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Liver Centrilobular Necrosis; Pituitary Gland Pars Distalis Adenoma; Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 78

TRT#: 3

SEX: Female

DAY ON TEST: 697

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Zymbal's Gland	

MISSING

* Thymus

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Eye	Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
		Thrombosis	Moderate
[Leukemia Mononuclear TGLS = 2-2A]			
[Thrombosis TGLS = 3-2A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 78

TRT#: 3

SEX: Female

DAY ON TEST: 697

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200078

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: Thymic area present

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Vagina

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 79

TRT#: 4

SEX: Female

DAY ON TEST: 697

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLS = 6-11A]		Atrophy	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland Note: TGL 2 - included both carcinoma of clitoral gland and fibroadenoma of mammary gland (clitoral gland carcinoma is on slide 5A) [Carcinoma TGLS = 2-5A]		Carcinoma	
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver Note: TGL 5-NCL [Developmental Malformation TGLS = 4-6]		Developmental Malformation	
		Inflammation	Granulomatous, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Moderate
Note: TGL 2 - included both fibroadenoma of mammary gland and carcinoma of clitoral gland (slide 5A and 5B) [Fibroadenoma TGLS = 1,2-5C+5A+5B]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 79

TRT#: 4

SEX: Female

DAY ON TEST: 697

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200079

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 3-6]

* Skin

Note: TGL 2-noted grossly as skin was in mammary gland and clitoral gland (Slide 5A and 5B)

* Spleen

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 80

TRT#: 3

SEX: Female

DAY ON TEST: 694

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Myelofibrosis	Mild
* Clitoral Gland		Inflammation	Minimal
* Eye	Retina	Degeneration	Mild
		Hemorrhage	Mild
		Phthisis Bulbi	
	[Phthisis Bulbi TGLS = 5-11]		
* Kidney		Mineralization	Mild
		Nephropathy	Mild
	Lacrimal Gland	Metaplasia	Mild
	[Metaplasia TGLS = 1-16]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lymph Node, Mandibular		Hemorrhage	Moderate
* Lymph Node, Mesenteric		Hemorrhage	Mild
	[Hemorrhage TGLS = 2-5]		
* Mammary Gland		Hyperplasia	Moderate
Note: Mammary tissue present on slide 14.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 80

TRT#: 3

SEX: Female

DAY ON TEST: 694

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200080

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid GI

Note: Parathyroid gland cut away.

* Pituitary Gland

[Angiectasis TGLS = 6-6]

Angiectasis

Moderate

* Spleen

[Leukemia Mononuclear TGLS = 3-2]

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 81

TRT#: 2

SEX: Female

DAY ON TEST: 687

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6A]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-5]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Cyst	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 81

TRT#: 2

SEX: Female

DAY ON TEST: 687

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200081

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 82

TRT#: 1

SEX: Female

DAY ON TEST: 704

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

MISSING

* Parathyroid Gland	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-6]			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Mild
[Carcinoma TGLS = 2-5D]			
[Fibroadenoma TGLS = 1,3,5-5A+5B+5C+5E+5F+5G]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-16]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	Moderate
Note: Cyst is distended bursa.			
[Cyst TGLS = 7-14A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Malachite green
CAS Number: 569-64-2

Date Report Requested: 10/23/2014
Time Report Requested: 09:58:21
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 82	TRT#: 1 DOSE: 0 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 704 HISTO: 021280200082
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ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland

Note: Parathyroid probably cut through. It is neither in the block or wet tissue.

* Pituitary Gland

Pars Distalis

Adenoma

Angiectasis

Moderate

[Adenoma TGLS = 8-6]

[Angiectasis TGLS = 8-6]

* Thyroid Gland

Note: Thyroid has probably been cut away. It is neither in the block nor in wet tissue.

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 83

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

MISSING

* Parathyroid Gland	* Thymus	* Thyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Brain	Ventricle	Carcinoma	Metastatic (Pituitary Gland)
	Hypothalamus	Compression	Moderate
[Compression TGLS = 2-1]			
* Clitoral Gland		Adenoma	
		Inflammation	Moderate
Note: TGL 1 - noted grossly as clitoral gland was mammary gland.			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Developmental Malformation	
[Developmental Malformation TGLS = 4-6]			
* Mammary Gland		Carcinoma	
	Duct	Dilatation	Mild
		Hyperplasia	Mild
[Carcinoma TGLS = 1-6]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 83

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200083

ORGAN AND ACCOUNTABLE SITE STATUS

Note: No parathyroid in block or wet tissue.

* Pituitary Gland

Pars Distalis

Carcinoma

[Carcinoma TGLS = 3-6A]

* Thymus

Note: Thymic area present

* Thyroid Gland

Note: No thyroid in block or wet tissue

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 84

TRT#: 4

SEX: Female

DAY ON TEST: 699

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
[Dilatation TGLS = 1-6A]			
* Eye	Bilateral, Retina	Cataract	Mild
		Degeneration	Mild
* Harderian Gland		Adenoma	
		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
		Mixed Cell Focus	Multiple
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2,3-5A+5B]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 84

TRT#: 4

SEX: Female

DAY ON TEST: 699

DOSE: 600 PPM

DISP: Moribund Sacrifice

HISTO: 021280200084

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin

Note: TGL 3 - noted grossly as skin was mammary gland

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 85

TRT#: 2

SEX: Female

DAY ON TEST: 707

DOSE: 100 PPM

DISP: Natural Death

HISTO: 021280200085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|---------------------|--------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Tongue |
| * Trachea | * Urinary Bladder | * Uterus | * Vagina |
| * Zymbal's Gland | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|--------------------------|---------------------------|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|-------------------------------------|----------------|-----------------------|---------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral Gland | | Hyperplasia | Mild |
| | | Inflammation | Moderate |
| [Hyperplasia TGLS = 1-6A] | | | |
| [Inflammation TGLS = 1-6A] | | | |
| * Eye | Retina | Autolysis | |
| | Bilateral | Cataract | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| * Mammary Gland | Duct | Dilatation | Mild |
| * Nose | Nasolacrim Dct | Inflammation | Mild |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-6A] | | | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-2] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 85

TRT#: 2

SEX: Female

DAY ON TEST: 707

DOSE: 100 PPM

DISP: Natural Death

HISTO: 021280200085

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 86

TRT#: 2

SEX: Female

DAY ON TEST: 707

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Zymbal's Gland			

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Brain [Compression TGLS = 8-1]	Hypothalamus	Compression	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland [Metaplasia TGLS = 3-16]		Nephropathy	Minimal
		Metaplasia	Mild
* Liver [Cyst TGLS = 6-6]		Cyst	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith Alveolus	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
	Duct	Dilatation	Mild
		Hyperplasia	Mild
[Carcinoma TGLS = 1,2-5A+5B]			
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 86

TRT#: 2

SEX: Female

DAY ON TEST: 707

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200086

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland Note: Parathyroid glands cut away.			
* Pituitary Gland [Adenoma TGLS = 7-6]	Pars Distalis	Adenoma	
* Salivary Glands		Atrophy	Minimal
* Spleen [Leukemia Mononuclear TGLS = 5-2]		Leukemia Mononuclear	
* Thymus Note: Thymic area present			
* Vagina [Inflammation TGLS = 4-14A]		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 87

TRT#: 3

SEX: Female

DAY ON TEST: 719

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Zymbal's Gland			

OBSERVATIONS

* Brain [Compression TGLS = 7-1]	Hypothalamus	Compression	Mild
* Clitoral Gland [Inflammation TGLS = 1-6]		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-5A]		Fibroadenoma	
		Galactocele	Moderate
* Pituitary Gland [Adenoma TGLS = 6-6]	Pars Distalis	Adenoma	
* Spleen Note: TGL 4-NCL		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 87

TRT#: 3

SEX: Female

DAY ON TEST: 719

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200087

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Carcinoma

[Carcinoma TGLS = 5-6]

* Vagina

Inflammation

Suppurative, Mild

[Inflammation TGLS = 3-14]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 88

TRT#: 3

SEX: Female

DAY ON TEST: 706

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Tongue
* Trachea	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain	Hypothalamus	Compression	Minimal
[Compression TGLS = 10-1]			
* Clitoral Gland	Duct	Adenoma	
		Dilatation	Moderate
		Inflammation	Moderate
[Adenoma TGLS = 1-6]			
[Dilatation TGLS = 1-6]			
* Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Note: TGL 5-NCL			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-7+7A]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Mammary Gland	Duct	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 88

TRT#: 3

SEX: Female

DAY ON TEST: 706

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200088

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Hyperplasia Atrophy	Moderate Mild
* Pituitary Gland [Adenoma TGLS = 9-6]	Pars Distalis	Leukemia Mononuclear Adenoma	
* Skeletal Muscle		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 3-2]		Leukemia Mononuclear	
* Thymus		Hemorrhage	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus [Hypertrophy TGLS = 4-14]	Cervix	Hypertrophy	Mild
* Vagina		Inflammation Leukemia Mononuclear	Suppurative, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 89

TRT#: 2

SEX: Female

DAY ON TEST: 718

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 4-16]			
* Liver	Bile Duct	Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-5A]			
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 89

TRT#: 2

SEX: Female

DAY ON TEST: 718

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200089

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gl

Note: Pituitary on slide 12

* Spleen

[Leukemia Mononuclear TGLS = 3-2]

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 90

TRT#: 3

SEX: Female

DAY ON TEST: 711

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Vagina
* Zymbal's Gland			

MISSING

* Urinary Bladder

OBSERVATIONS

* Brain	Hypothalamus	Compression	Mild
[Compression TGLS = 2-1]			
* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Focal, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 1-5A]		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6]			
* Spleen		Pigmentation	Moderate
* Urin Bladder			
Note: Search of wet tissue for urinary bladder was unsuccessful.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 90

TRT#: 3

SEX: Female

DAY ON TEST: 711

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200090

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 91

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 2-6]			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
Lymph Node	Iliac	Hyperplasia	Lymphoid, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-16A]			
[Hyperplasia TGLS = 5-16]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-16B]			
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 91

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200091

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland

Note: TGL 8-NCL

* Pituitary Gland

[Adenoma TGLS = 7-6]

Pars Distalis

Adenoma

* Skin

[Basal Cell Adenoma TGLS = 1-5A]

Basal Cell Adenoma

* Spleen

[Leukemia Mononuclear TGLS = 4-2]

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 92

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-6]			
* Eye	Bilateral, Retina	Cataract	Mild
		Degeneration	Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
		Inflammation	Granulomatous, Focal, Mild
[Developmental Malformation TGLS = 6-6A]			
[Inflammation TGLS = 7-6]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-16A]			
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 92

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200092

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 4-14]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 8-6]

* Uterus

Endometrium

Hyperplasia
Polyp Stromal

Cystic, Moderate

[Hyperplasia TGLS = 3-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 93

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-6A]			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Uterus		Polyp Stromal	

Note: There is an area of decidual cells within the stromal polyp

[Polyp Stromal TGLS = 2-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 94

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
* Brain		Leukemia Mononuclear	
* Eye		Cataract	Minimal
	Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Developmental Malformation	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[Developmental Malformation TGLS = 5-6]	
		[Hepatodiaphragmatic Nodule TGLS = 6-6]	
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-7+7A]	
* Mammary Gland	Duct	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 94

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200094

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	
		Galactocele	Moderate
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-5A]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Nasolacrim Dct	Inflammation	Minimal
Note: Cytoplasmic alteration consisted of eosinophilic material/globules.			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			
* Thymus			
Note: Thymic area present			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 95

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Atrophy	Mild
	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
		Hyperplasia	Mild
		[Carcinoma TGLS = 3-6A]	
		[Hyperplasia TGLS = 4-6A]	
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
		[Metaplasia TGLS = 1-16]	
* Liver		Basophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Focal, Minimal
		[Hepatodiaphragmatic Nodule TGLS = 8-6]	
		[Inflammation TGLS = 9-6]	
Lymph Node	Mediastinal	Hemorrhage	Mild
		[Hemorrhage TGLS = 10-3]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 95

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200095

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 2,7-5B+5A]

Hyperplasia

Mild

* Pituitary Gland

Pars Distalis

[Adenoma TGLS = 6-6B]

Adenoma

* Uterus

Endometrium

[Hyperplasia TGLS = 5-14-14A]

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 96

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
		Inflammation	Mild
		[Carcinoma TGLS = 4-6A]	
		[Inflammation TGLS = 3-6A]	
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
Lacrimal Gland		Metaplasia	Mild
		[Metaplasia TGLS = 2-16]	
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-6]	
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 96

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200096

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-5A]		Hyperplasia	Mild
* Parathyroid GI			
Note: Parathyroid cut away.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 97

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Minimal
[Hyperplasia TGLS = 4-6]			
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-16A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Malachite green
CAS Number: 569-64-2

Date Report Requested: 10/23/2014
Time Report Requested: 09:58:21
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 97

TRT#: 1
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 021280200097

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: Thymic area present

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 98

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-6]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 3-16]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Hyperplasia TGLS = 5-6]			
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-5A]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6]			
* Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 98

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200098

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 1- noted grossly as skin was mammary gland.

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 99

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	Turbinates	Osteopetrosis	Mild
* Clitoral Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 3,4-6]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Minimal
[Metaplasia TGLS = 2-16]		Metaplasia	Mild
* Liver		Inflammation	Granulomatous, Focal, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 1-13]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 99

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200099

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin

[Inflammation TGLS = 6-5A]

Inflammation

Moderate

* Spleen

Leukemia Mononuclear

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[Hyperplasia TGLS = 5-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 100

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-6]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	Multiple
		Hyperplasia	Minimal
		Inflammation	Suppurative, Focal, Mild
[Inflammation TGLS = 2-6]			
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 7-6]		Inflammation	Moderate
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Mild
Lacrimal Gland [Metaplasia TGLS = 1-16]		Nephropathy	Moderate
		Metaplasia	Mild
* Liver [Hyperplasia TGLS = 5-6]	Bile Duct	Basophilic Focus	Multiple
		Hyperplasia	Mild
		Infiltration Cellular	Lymphocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 4-5A] [Galactocele TGLS = 4-5A]		Fibroadenoma	
		Galactocele	Moderate
* Ovary	Interstitial Cell	Granulosa Cell Tumor Malignant	
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 101

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200101

ORGAN AND ACCOUNTABLE SITE STATUS

[Granulosa Cell Tumor Malignant TGLS = 2-14]

* Pituitary Gland

Pars Distalis

Adenoma

* Stom Gland

Note: TGL 6-NCL

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

Polyp Stromal

[Hyperplasia TGLS = 3-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 102

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Infiltration Cellular	Lymphocyte, Minimal
Note: TGL 2-NCL			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 103

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
		Inflammation	Mild
[Carcinoma TGLS = 2-6]			
[Inflammation TGLS = 3-6]			
* Eye	Retina	Degeneration	Mild
		Phthisis Bulbi	
[Phthisis Bulbi TGLS = 6-11A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[Inflammation TGLS = 7-6]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 103

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200103

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Carcinoma TGLS = 4-14]		Carcinoma	Metastatic (Clitoral Gland)
* Pituitary Gland	Pars Distalis	Angiectasis Hyperplasia	Minimal Moderate
* Trachea		Inflammation	Mild
* Uterus [Sarcoma Stromal TGLS = 5-14]		Sarcoma Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 104

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve | * Pituitary Gland | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Tongue | * Trachea | * Urinary Bladder | * Vagina |
| * Zymbal's Gland | | | |

OBSERVATIONS

- | | | | |
|-----------------------------------|-------------------|-----------------------|-------------------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Eye | | Cataract | Minimal |
| | Bilateral, Retina | Degeneration | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Granulomatous, Focal, Minimal |
| [Eosinophilic Focus TGLS = 2-6] | | | |
| * Ovary | | Atrophy | Mild |
| | | Cyst | Mild |
| [Cyst TGLS = 1-14] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| [Hyperplasia TGLS = 3-14] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 105

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLS = 10-11]		Atrophy	Mild
* Brain [Compression TGLS = 4-1]	Hypothalamus	Compression	Minimal
* Clitoral Gland [Inflammation TGLS = 2-6]		Inflammation	Moderate
* Eye	Bilateral Bilateral, Retina	Cataract Degeneration	Mild Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization Nephropathy	Mild Moderate
Lacrimal Gland [Metaplasia TGLS = 1-16]		Metaplasia	Mild
* Liver		Basophilic Focus Hepatocellular Adenoma	Multiple Multiple
	Bile Duct	Hyperplasia Inflammation Vacuolization Cytoplasmic	Mild Granulomatous, Focal, Minimal Mild
[Hepatocellular Adenoma TGLS = 7,8-6] [Hyperplasia TGLS = 9-6]			
* Lung		Inflammation	Chronic, Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Malachite green
CAS Number: 569-64-2

Date Report Requested: 10/23/2014
Time Report Requested: 09:58:21
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 105	TRT#: 4 DOSE: 600 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 021280200105
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ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Duct	Dilatation Hyperplasia	Moderate Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	Moderate
[Adenoma TGLS = 3-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 6-14]			
* Vagina		Sarcoma	
[Sarcoma TGLS = 5-14A]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 106

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Mild
	[Metaplasia TGLS = 2-16]		
* Liver		Developmental Malformation	Minimal
		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Minimal
	[Developmental Malformation TGLS = 4-6]		
	[Inflammation TGLS = 5-6]		
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-5A]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-6]		
* Skin			
Note: TGL 1-noted grossly as skin was mammary gland			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 107

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 1-6]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-6]		Inflammation	Granulomatous, Focal, Mild
* Lym Node Mesen			
Note: TGL 3-NCL			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-6]			
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 108

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Clitoral Gland		Adenoma Inflammation	Moderate
[Adenoma TGLS = 2-6] [Inflammation TGLS = 2-6]			
* Eye	Bilateral, Retina	Degeneration Infiltration Cellular Nephropathy Infiltration Cellular Metaplasia	Mild Lymphocyte, Minimal Mild Lymphocyte, Minimal Moderate
* Harderian Gland			
* Kidney			
Lacrimal Gland			
[Metaplasia TGLS = 1-16]			
* Liver	Bile Duct	Hyperplasia Infiltration Cellular	Minimal Lymphocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Multiple, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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
* Lung	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

MISSING

* Peripheral Nerve

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Carcinoma	
		Inflammation	Mild
[Carcinoma TGLS = 1-6C]			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Moderate
[Metaplasia TGLS = 2-16]			
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Mild
		Necrosis	Minimal
[Basophilic Focus TGLS = 5-6A]			
[Developmental Malformation TGLS = 4-6]			
[Eosinophilic Focus TGLS = 6-6B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200109

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gl			
Note: Pituitary is on slide 12			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 110

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Tongue |
| * Trachea | * Urinary Bladder | * Uterus | * Vagina |
| * Zymbal's Gland | | | |

OBSERVATIONS

- | | | | |
|---|----------------|----------------------------|-------------------------------|
| * Adrenal Cortex | | Angiectasis | Minimal |
| * Clitoral Gland | | Adenoma | |
| | | Inflammation | Mild |
| [Adenoma TGLS = 1-6A] | | | |
| [Inflammation TGLS = 1-6A] | | | |
| * Eye | Retina | Degeneration | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Multiple |
| | | Clear Cell Focus | |
| | | Developmental Malformation | |
| | | Inflammation | Granulomatous, Focal, Minimal |
| [Developmental Malformation TGLS = 2-6] | | | |
| [Inflammation TGLS = 3-6] | | | |
| * Mammary Gland | Duct | Dilatation | Minimal |
| * Nose | Nasolacrim Dct | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 4-6] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 111

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-6A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
[Inflammation TGLS = 4-6]		Inflammation	Granulomatous, Focal, Mild
* Mammary Gland		Fibroadenoma	
		Galactoceles	Mild
[Fibroadenoma TGLS = 2-5A]		Hyperplasia	Minimal
[Galactoceles TGLS = 2-5A]			
* Nose	Nasolacrimal Duct	Inflammation	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6]			
* Skin			
Note: TGL 2 - noted grossly as skin was mammary gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 111

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200111

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 112

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 2-6]	Duct	Dilatation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Minimal
Lacrimal Gland [Metaplasia TGLS = 1-16]		Metaplasia	Moderate
* Liver [Inflammation TGLS = 5-6]		Basophilic Focus Inflammation	Multiple Granulomatous, Focal, Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy Cyst	Mild Moderate
Note: Cyst (TGL 3) was distended bursa. [Cyst TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Uterus [Polyp Stromal TGLS = 4-14A]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 113

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina		

OBSERVATIONS

* Clitoral Gland		Adenoma	
		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 5-6]			
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-16A]			
* Nose		Inflammation	Chronic, Mild
* Ovary		Atrophy	Mild
* Pancreas			
Note: TGL 2-NCL			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Malachite green
CAS Number: 569-64-2

Date Report Requested: 10/23/2014
Time Report Requested: 09:58:21
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 113

TRT#: 1
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 021280200113

ORGAN AND ACCOUNTABLE SITE STATUS

* Zymbal's Gland

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 114

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Eye	Retina	Degeneration	Minimal
	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Minimal
	[Metaplasia TGLS = 1-16]		
* Liver		Angiectasis	Mild
	[Leukemia Mononuclear TGLS = 3-6]	Leukemia Mononuclear	
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Angiectasis TGLS = 4-6]	Angiectasis	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-2]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 115

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-6]			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
[Hyperplasia TGLS = 2-6]			
Mesentery			
Note: Search of wet tissue and embedding additional material did not produce a section of mammary gland.			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gl			
Note: Pituitary is on slide 12.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 115

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200115

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 116

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

INSUFFICIENT TISSUE

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 2-6]			
* Eye	Retina	Degeneration	Moderate
* Harderian Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 5-6]			
* Mammary Gland	Duct	Dilatation	Moderate
		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 4-5A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 116

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200116

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 3-6]

Pars Distalis

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 117

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Esophagus			
Note: Esophagus is on slide 7			
* Eye	Bilateral, Retina	Cataract Degeneration Atrophy Infiltration Cellular Nephropathy	Mild Moderate Minimal Lymphocyte, Mild
* Harderian Gland		Infiltration Cellular Metaplasia	Mild Lymphocyte, Mild
* Kidney		Basophilic Focus Inflammation	Multiple Granulomatous, Focal, Mild
Lacrimal Gland		Hyperplasia Necrosis	Mild Mild
[Metaplasia TGLS = 3-16]			
* Liver		Adenoma	
* Mammary Gland			
Mesentery	Fat		
[Necrosis TGLS = 1-16A]			
* Pituitary Gland	Pars Distalis		
[Adenoma TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Focal, Minimal
* Clitoral Gland		Inflammation	Moderate
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Minimal
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Minimal
		Metaplasia	Mild
	[Metaplasia TGLS = 1-16]		
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
		Developmental Malformation	
		Inflammation	Granulomatous, Focal, Mild
	[Developmental Malformation TGLS = 3-6]		
	[Inflammation TGLS = 4-6]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 118

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200118

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Zymbal's Gland

Metaplasia

Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 2-6A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Moderate
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 6-6]		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Moderate
Note: The cyst (TGL 3) was a distended bursa			
[Cyst TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-6A]			
* Uterus			
Note: TGL 4-NCL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 120

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 5,6-6]		Inflammation	Moderate
* Eye * Harderian Gland * Heart * Kidney * Liver [Degeneration TGLS = 4-6]	Retina	Degeneration Infiltration Cellular Cardiomyopathy Nephropathy Degeneration Eosinophilic Focus Inflammation	Mild Lymphocyte, Minimal Minimal Minimal Cystic, Mild Multiple Granulomatous, Focal, Mild
* Lymph Node, Mandibular * Lymph Node, Mesenteric * Nose * Ovary Note: Cyst (TGL 2) was distended bursa [Cyst TGLS = 2-14]	Nasolacrim Dct	Infiltration Cellular Ectasia Inflammation Cyst	Plasma Cell, Mild Mild Moderate Mild
* Pituitary Gland [Adenoma TGLS = 3-6]	Pars Distalis	Adenoma	
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 120

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200120

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Thymic area present

* Uterus

[Hyperplasia TGLS = 1-14A]

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 121

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 1-6]			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Minimal
		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	Multiple
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
[Basophilic Focus TGLS = 3-6A]			
* Lym Node Mand			
Note: Mandibular lymph node cut away			
* Mammary Gland	Duct	Dilatation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 121

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200121

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas

Acinus

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 122

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 2-6]		Leukemia Mononuclear	
* Lung		Inflammation	Chronic, Focal, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-13]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
Note: Cytoplasmic alteration in olfactory epithelium consists of eosinophilic globules.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Malachite green
CAS Number: 569-64-2

Date Report Requested: 10/23/2014
Time Report Requested: 09:58:21
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 122

TRT#: 3
DOSE: 300 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 021280200122

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 123

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 1-6A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver	Bile Duct	Basophilic Focus	
[Hyperplasia TGLS = 3-6]		Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
Note: Cytoplasmic alteration consists of eosinophilic globules			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 124

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Hypertrophy	Focal, Mild
* Clitoral Gland		Adenoma	
		Inflammation	Moderate
[Inflammation TGLS = 2-6]			
* Eye	Bilateral	Cataract	Mild
	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
		Necrosis	Minimal
[Inflammation TGLS = 4-6]			
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 124

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200124

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Carcinoma

Follicular Cel

Carcinoma

Note: Both follicular cells and C-cells appear to be neoplastic.

[Carcinoma TGLS = 3-6]

[Carcinoma TGLS = 3-6]

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 125

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Tongue	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland		Hyperplasia Inflammation	Mild Mild
[Hyperplasia TGLS = 3-6] [Inflammation TGLS = 3-6]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Mild
		Metaplasia	Mild
[Metaplasia TGLS = 4-16A]			
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
* Lung		Foreign Body	Mild
		Inflammation	Chronic, Focal, Mild
Lymph Node	Renal	Hemorrhage	Minimal
	Renal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 1-16] [Hyperplasia TGLS = 1-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 125

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200125

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose		Foreign Body Inflammation	Mild Suppurative, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-6]			
* Thymus			
Note: Thymic area present			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea	Epithelium	Hyperplasia Inflammation	Mild Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: Pathologist noted: Inflammation, moderate - Mesentery, Artery

Animal Note: Pathologist noted: Inflammation, mild, suppurative - Ear, middle Ear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 126

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
* Clitoral Gl			
Note: No clitoral gland in block or wet tissue.			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Cyst	Mild
Note: Cyst (TGL 2) is distended bursa			
[Cyst TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 126

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200126

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Pars Distalis
C Cell

Hyperplasia
Adenoma

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 127

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland		Metaplasia	Mild
	[Metaplasia TGLS = 1-16]		
* Liver		Eosinophilic Focus	Multiple
	[Eosinophilic Focus TGLS = 3-6]	Infiltration Cellular	Lymphocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-6]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 128

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 02128020128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Parathyroid Gland	* Thymus	* Thyroid Gland
---------------------	----------	-----------------

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Basophilic Focus	
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: TGL 4 - NST Left renal lymph node not found at trim			
[Hyperplasia TGLS = 3-16B]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	Mild
Note: Cyst (TGL 1) was a distended bursa which burst at necrosy. Fragments of bursal membranes are present near ovary on section 14.			
[Cyst TGLS = 1-14]			
* Pancreas	Acinus	Atrophy	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Parathyroid Gland			
Note: No parathyroid gland present on recut.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 128

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 02128020128

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

* Thymus

Pars Distalis

Cyst

Minimal

Note: Thymic area present

* Thyroid Gland

Note: No thyroid gland present on recut.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 129

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Minimal
		Metaplasia	Mild
[Metaplasia TGLS = 1-16]			
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Focal, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Cyst	Mild
Note: Cyst (TGL 3) was distended bursa			
[Cyst TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 129

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200129

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 130

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Minimal
* Eye		Cataract	Mild
	Bilateral, Retina	Degeneration	Moderate
	[Cataract TGLS = 4-11A]		
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Minimal
		Metaplasia	Mild
	[Metaplasia TGLS = 1-16]		
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
	[Eosinophilic Focus TGLS = 2,3-6]		
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 130

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200130

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
Note: TGL 9 - noted grossly as kidney was located in the retroperitoneal tissue adjacent to, but not involving the left kidney.			
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 3-16]			
* Liver		Developmental Malformation	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Developmental Malformation TGLS = 13-6]			
[Mixed Cell Focus TGLS = 12-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-16B]			
[Leukemia Mononuclear TGLS = 8-16A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 131

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200131

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-2]

[Leukemia Mononuclear TGLS = 2-5B]

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-5]

* Mammary Gland

Duct

Dilatation

Mild

Hyperplasia

Moderate

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Cyst

Minimal

* Skin

Epidermis

Hyperplasia

Mild

Epidermis

Necrosis

Mild

Note: TGL 2 - noted grossly as skin was mammary lymph node

[Hyperplasia TGLS = 1-5A]

[Necrosis TGLS = 1-5A]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-2]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 14-3]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tissue NOS

Abdominal

Leukemia Mononuclear

Note: TGL 9 - was in the retroperitoneal tissue adjacent to but not involving left kidney.

[Leukemia Mononuclear TGLS = 9-8A]

* Uterus

Note: TGL 5-NCL

* Vagina

Inflammation

Suppurative, Mild

Note: TGL 4 - is primarily due to distention of the vaginal lumen with mucus. Appropriate terminology is not available.

[Inflammation TGLS = 4-14]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 132

TRT#: 1

SEX: Female

DAY ON TEST: 722

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	Turbinates	Osteopetrosis	Mild
* Brain	Hypothalamus	Compression	Mild
	[Compression TGLS = 6-1]		
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Minimal
		Metaplasia	Mild
	[Metaplasia TGLS = 3-16A]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Renal	Ectasia	Moderate
	Renal	Hemorrhage	Mild
	[Ectasia TGLS = 4-16]		
	[Hemorrhage TGLS = 4-16]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 132

TRT#: 1

SEX: Female

DAY ON TEST: 722

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200132

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 2-13]

* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-6]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 133

TRT#: 1

SEX: Female

DAY ON TEST: 711

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Vagina	* Zymbal's Gland	

MISSING

* Lymph Node, Mandibular	* Urinary Bladder
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OBSERVATIONS

* Brain [Compression TGLS = 7-1]	Hypothalamus	Compression	Mild
* Clitoral Gland [Inflammation TGLS = 3-6A]		Hyperplasia Inflammation	Mild Marked
* Eye Note: Right eye missing at necropsy.	Retina	Autolysis Cataract	Mild
* Kidney		Mineralization Nephropathy	Mild Mild
* Liver [Developmental Malformation TGLS = 9-6]	Bile Duct	Developmental Malformation Hyperplasia Leukemia Mononuclear	Mild
Lymph Node [Hyperplasia TGLS = 6-16]	Lumbar	Hyperplasia	Lymphoid, Mild
* Mammary Gland	Duct	Dilatation Galactocele Hyperplasia	Mild Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 133

TRT#: 1

SEX: Female

DAY ON TEST: 711

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 021280200133

ORGAN AND ACCOUNTABLE SITE STATUS

[Galactoceles TGLS = 2-5A]			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-6A]			
* Skin		Hyperkeratosis	Mild
[Hyperkeratosis TGLS = 1-16A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
* Thyroid Gland	C Cell	Adenoma	
* Urin Bladder			
Note: Urinary bladder missing at trim			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 134

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Eye	Bilateral	Cataract	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
Lymph Node	Deep Cervical	Hemorrhage	Mild
	Pancreatic	Hemorrhage	Mild
	Renal	Hemorrhage	Mild
	Deep Cervical	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 7-16B]			
[Hemorrhage TGLS = 5-16A]			
[Hemorrhage TGLS = 3-16]			
[Hyperplasia TGLS = 7-16B]			
[Hyperplasia TGLS = 6-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1,2-5A+5B]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Hyperplasia	Focal, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 134

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200134

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 135

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Inflammation	Suppurative, Focal, Minimal
[Inflammation TGLS = 5-6]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-5A]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-5B]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
[Cyst TGLS = 4-6A]			
* Skin			
Note: TGL 1 - noted grossly as skin was mammary gland			
* Thyroid Gland	C Cell	Carcinoma	
* Uterus	Cervix, Serosa	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Malachite green
CAS Number: 569-64-2

Date Report Requested: 10/23/2014
Time Report Requested: 09:58:21
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 135

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200135

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 136

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 3-6A]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 5-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Skin			
Note: TGL 1-NCL			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 136

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200136

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 137

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland	Duct	Dilatation Hyperplasia	Moderate Mild
[Dilatation TGLS = 1-6A]			
* Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 2-16]			
* Liver		Basophilic Focus Inflammation	Multiple Granulomatous, Focal, Mild
[Inflammation TGLS = 5-6]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
[Infiltration Cellular TGLS = 3-13]			
* Mammary Gland		Fibroadenoma Hyperplasia	Mild
[Fibroadenoma TGLS = 4-5A]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin			
Note: TGL 4 - noted grossly as skin was mammary gland.			
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 137

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200137

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 138

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Eye | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Parathyroid Gland |
| * Peripheral Nerve | * Pituitary Gland | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Tongue |
| * Trachea | * Urinary Bladder | * Uterus | * Vagina |
| * Zymbal's Gland | | | |

MISSING

- * Adrenal Medulla

OBSERVATIONS

- | | | | |
|----------------------------------|----------------|-----------------------|----------------------------|
| * Adren Medulla | | | |
| Note: Adrenal medulla cut away. | | | |
| * Adrenal Cortex | | Angiectasis | Minimal |
| * Clitoral Gland | | Inflammation | Mild |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney | | Nephropathy | Mild |
| Lacrimal Gland | | Metaplasia | Mild |
| [Metaplasia TGLS = 1-16] | | | |
| * Liver | | Basophilic Focus | Multiple |
| | | Eosinophilic Focus | Multiple |
| | | Inflammation | Granulomatous, Focal, Mild |
| [Inflammation TGLS = 3,4-6B+6] | | | |
| * Nose | Nasolacrim Dct | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Uterus | | | |
| Note: TGL 2-NCL | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 138

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200138

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

MISSING

* Thymus

OBSERVATIONS

* Brain [Compression TGLS = 5-1]	Hypothalamus	Compression	Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Autolysis	
		Cataract	Minimal
* Kidney		Nephropathy	Moderate
Lacrimal Gland [Metaplasia TGLS = 1-16]		Metaplasia	Minimal
* Liver [Inflammation TGLS = 3-6]		Inflammation	Suppurative, Focal, Moderate
		Necrosis	Mild
* Lung		Inflammation	Chronic, Diffuse, Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 4-6A]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 2-2]		Leukemia Mononuclear	
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200139

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Thymic area present

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Focal, Mild
	[Mixed Cell Focus TGLS = 5-6]	Mixed Cell Focus	
* Lung		Inflammation	Chronic, Focal, Minimal
	[Sarcoma Stromal TGLS = 4-7A]	Sarcoma Stromal	Metastatic (Uterus)
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-5A]	Galactocele	Moderate
	[Galactocele TGLS = 1-5A]	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-6A]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Sarcoma Stromal	
	[Sarcoma Stromal TGLS = 2-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200140

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
	[Hyperplasia TGLS = 2-6]		
* Lung		Inflammation	Chronic, Focal, Mild
* Ovary		Cyst	Mild
	Note: Cyst (TGL 1) is a distended bursa		
	[Cyst TGLS = 1-14A]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 1-6A]		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Intestine Small, Ileum [Dilatation TGLS = 6-5B]		Dilatation	Moderate
* Kidney		Nephropathy	Minimal
* Liver [Developmental Malformation TGLS = 4-6] [Hepatodiaphragmatic Nodule TGLS = 3-6] [Inflammation TGLS = 5-6]		Developmental Malformation Hepatodiaphragmatic Nodule Inflammation	Granulomatous, Focal, Mild
* Mammary Gland Duct		Carcinoma Dilatation Fibroadenoma Hyperplasia	Mild Minimal

Note: TGL 2 - is a mammary carcinoma arising within a fibroadenoma.

[Carcinoma TGLS = 2-5A]

[Fibroadenoma TGLS = 2-5A]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200142

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* 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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 2-6]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 144

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Esophagus	* Eye	* 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	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Hypothalamus	Compression	Moderate
[Compression TGLS = 4-1]			
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Int Lg Cecum			
Note: TGL 5-NCL			
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Focal, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-5]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 145

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1,2-6C]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 6,7,8,9,10-6+6A+6B]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-6C]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
* Thymus			
Note: Thymic area present.			
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 145

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200145

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 3-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 146

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* 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	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 147

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[Inflammation TGLS = 2-6]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 1-6A]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 148

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200148

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 149

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Hepatocellular Adenoma	
		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 4-6]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Uterus		Thrombosis	Moderate
[Thrombosis TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 150

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus		Polyp Stromal	

[Polyp Stromal TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 151

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-5A]			
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Parathyroid Gland			
Note: Parathyroid gland cut away			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-6A]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 152

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Brain	Hypothalamus	Compression	Mild
[Compression TGLS = 5-1]			
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 7-6A]		Inflammation	Moderate
[Inflammation TGLS = 7-6A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-8]			
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 4-6]		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1,2-5A+5B]		Galactocele	Mild
		Hyperplasia	Mild
* Ovary		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 152

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200152

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 6-6A]

Pars Distalis

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 153

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Brain		Oligodendroglioma Malignant	
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 2-6A]			
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Minimal
[Inflammation TGLS = 4-6]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-16]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 153

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200153

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 154

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Moderate
[Hyperplasia TGLS = 1-6A]			
[Inflammation TGLS = 1-6A]			
* Eye		Cataract	Moderate
	Bilateral, Retina	Degeneration	Moderate
[Cataract TGLS = 4-11A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	
		Inflammation	Granulomatous, Focal, Mild
[Inflammation TGLS = 6-6]			
* Mammary Gland	Duct	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 154

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200154

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-5A]		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 5-6B]		Adenoma	
* Skin			
Note: TGL 2 - noted grossly as skin was mammary gland			
* Thyroid Gland	Follicle	Cyst	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 3-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 155

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain [Compression TGLS = 4-1]	Hypothalamus	Compression	Mild
* Clitoral Gland [Dilatation TGLS = 1-6A] [Inflammation TGLS = 1-6A]	Duct	Dilatation Inflammation	Moderate Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Infiltration Cellular	Lymphocyte, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-5A]		Fibroadenoma	
		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 155

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200155

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland

Note: Parathyroid glands cut away.

* Pituitary Gland

[Adenoma TGLS = 5-6A]

Pars Distalis

Adenoma

* Thyroid Gland

[Carcinoma TGLS = 3-6A]

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 156

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Adenoma	
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Lymphocyte, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 2-5A]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Thymus			
	Note: Thymic area present.		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-14]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 156

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200156

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 157

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Clitoral Gland		Adenoma	
	Duct	Dilatation	Moderate
[Adenoma TGLS = 1-6A]			
[Dilatation TGLS = 2-6A]			
Ear	Pinna	Neural Crest Tumor	
[Neural Crest Tumor TGLS = 5-16]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Infiltration Cellular	Lymphocyte, Minimal
[Eosinophilic Focus TGLS = 7-6]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Atrophy	Minimal
Note: TGL 3-NST (not found at trim)			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-6A]			
* Thyroid Gland	Follicle	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 157

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200157

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4,8-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 158

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Minimal
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Adenoma	
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:21

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 159

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

MISSING

* Thymus

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
[Compression TGLS = 5-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-6B]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
[Developmental Malformation TGLS = 4-6]		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-5A+5B]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-6A]			
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 159

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200159

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Thymic area present

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 160

TRT#: 3

SEX: Female

DAY ON TEST: 715

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 021280200160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

MISSING

* Thymus

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 1-6B]		
* Eye	Bilateral	Cataract	Mild
	Bilateral, Retina	Degeneration	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Developmental Malformation	
	[Developmental Malformation TGLS = 5-6]	Eosinophilic Focus	
Lymph Node	Pancreatic	Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 3-2]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose			
	Note: Osteopetrosis coded under bone, turbinates		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 160

TRT#: 3

DOSE: 300 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 715

HISTO: 021280200160

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas Note: TGL 3 - noted grossly as pancreas was pancreatic lymph node.	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-2]		Hematopoietic Cell Proliferation	Moderate
* Thymus Note: Thymic area is present.			
* Uterus [Hyperplasia TGLS = 4-14]	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 161

TRT#: 2

SEX: Female

DAY ON TEST: 718

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 021280200161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Brain [Compression TGLS = 4-1]	Hypothalamus	Compression	Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis	Inflammation	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Galactocele	Moderate
		Hyperplasia	Moderate
		Inflammation	Moderate
[Galactocele TGLS = 1-5A]			
[Inflammation TGLS = 1-5A]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Urinary Bladder	Transit Epithe	Papilloma	
[Papilloma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 162

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone Marrow | * Brain |
| * Esophagus | * Eye | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Tongue | * Trachea | * Urinary Bladder |
| * Vagina | * Zymbal's Gland | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------------|------------------|
| * Adrenal Cortex | | Angiectasis | Minimal |
| * Bone | Turbinate | Osteopetrosis | Mild |
| * Clitoral Gland | Duct | Dilatation | Mild |
| [Dilatation TGLS = 1-6A] | | | |
| * Harderian Gland | | Infiltration Cellular | Lymphocyte, Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLS = 4-6] | | | |
| [Leukemia Mononuclear TGLS = 3-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Ovary | | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-2] | | | |
| * Uterus | | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 163

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Myelostromal Proliferation	Mild
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-6A]			
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-5A]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-14A]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 164

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 165

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Moderate
[Hyperplasia TGLS = 3-6]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
[Angiectasis TGLS = 4-6A]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 2-6A]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 166

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-5]			
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 3-6A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 167

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Brain	Hypothalamus	Compression	Mild
[Compression TGLS = 8-1]			
* Clitoral Gland		Adenoma	
		Inflammation	Mild
[Adenoma TGLS = 3-6A]			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 4-16]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 6-7]			
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Galactocele	Moderate
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-5A]			
[Galactocele TGLS = 2-5B]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 167

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200167

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland [Adenoma TGLS = 7-6A]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 5-2]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 168

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
[Basophilic Focus TGLS = 1-6+6B]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 169

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Minimal
	Sternum	Osteopetrosis	Minimal
* Bone Marrow		Atrophy	Minimal
* Brain	Hypothalamus	Compression	Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
Lymph Node		Pigmentation	Mild
	[Pigmentation TGLS = 8-16A]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
	[Infiltration Cellular TGLS = 1-13]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Moderate
	[Hyperplasia TGLS = 2-5A]		
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 169

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200169

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-16]

* Ovary

Atrophy

Mild

Cyst

Mild

Note: Cyst is distended bursa

[Cyst TGLS = 3-14]

* Pancreas

Acinus

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 7-6A]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 170

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 1-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 3-6]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-14]			
* Vagina			
Note: TGL 4-NCL. Vagina distended with mucus.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 171

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* 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	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 1-6A]		Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver [Inflammation TGLS = 2-6]		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
* Nose Note: Cytoplasmic alteration consists of eosinophilic material/crystals in olfactory epithelium/	Olfactory Epi	Cytoplasmic Alteration	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Tongue [Squamous Cell Papilloma TGLS = 3-2]		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 172

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* 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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Bone Marrow		Atrophy	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 2-6]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 173

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 6-4]			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Leukemia Mononuclear	
[Hepatocellular Carcinoma TGLS = 10-6]			
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-5]			
* Ovary			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 173

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200173

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 5-NCL

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-6A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2]			
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 4-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 174

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 1-6A]		Inflammation	Mild
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-2]		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 175

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Brain
* Esophagus	* Eye	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 2-9]			
* Bone Marrow		Atrophy	Moderate
* Clitoral Gland		Adenoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Focal, Marked
* Mammary Gland		Hyperplasia	Mild
* Nose	Olfactory Epi, Respirat Epith	Cytoplasmic Alteration	Moderate
Note: Cytoplasmic alteration in olfactory and respiratory epithelium consists of accumulation of eosinophilic material/globules.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 176

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain			
Note: TGL 5-NCL			
* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Mild
[Dilatation TGLS = 2-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus Inflammation	Granulomatous, Focal, Mild
* Lung		Inflammation	Chronic, Focal, Minimal
* Mammary Gland		Carcinoma Fibroadenoma	
[Carcinoma TGLS = 3,4-5B+5C]			
[Fibroadenoma TGLS = 1-5A]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-6A]			
* Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 176

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200176

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 3 - noted grossly as skin was mammary gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 177

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[Inflammation TGLS = 2-6]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-16]			
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6A]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-5A]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 178

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Adenoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Focal, Mild
Note: TGL 2-NCL			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-6A]			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 179

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
[Compression TGLS = 5-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-6A]		Inflammation	Moderate
[Inflammation TGLS = 1-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Moderate
* Liver		Inflammation	Granulomatous, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
Note: Hyaline droplets in olfactory epithelium			
* Ovary		Atrophy	Moderate
[Cyst TGLS = 2-14]		Cyst	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6A]			
* Skin		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 179

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200179

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Papilloma TGLS = 3-5A]

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 180

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Bone		Sarcoma	
[Sarcoma TGLS = 3-16]			
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[Metaplasia TGLS = 1-16A]			
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Parathyroid Gland			
Note: TGL 4 - noted grossly as parathyroid gland was thyroid gland			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 4-6A]			
* Uterus			
Note: TGL 2-NCL			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 181

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain	Hypothalamus	Compression	Mild
[Compression TGLS = 5-1]			
* Clitoral Gland		Adenoma	
		Inflammation	Mild
[Adenoma TGLS = 1-6A]			
* Eye	Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Infiltration Cellular	Lymphocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-16]			
* Nose	Respirat Epith	Cytoplasmic Alteration	Minimal
Note: Cytoplasmic alteration in respiratory epithelium consists of eosinophilic material/globules.			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 181

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200181

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

[Hyperplasia TGLS = 4-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 182

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone Marrow	* Brain	* Esophagus
* Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Focal, Minimal
* Lung		Foreign Body	Mild
		Inflammation	Chronic, Focal, Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Stom Gland			
Note: TGL 1-NCL. Gross appearance was caused by a prominent limiting ridge between glandular stomach and forestomach.			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 183

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
* Lung		Foreign Body	Moderate
		Inflammation	Chronic, Focal, Moderate
		Sarcoma	Metastatic (Uncertain Primary Site)
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hemangiosarcoma	
* Thymus		Sarcoma	Metastatic (Uncertain Primary Site)
Note: The sarcoma may be primary in the thymus but the appropriate terminology for a primary sarcoma in the thymus is not available.			
			[Sarcoma TGLS = 2-3]
* Tongue		Squamous Cell Carcinoma	
			[Squamous Cell Carcinoma TGLS = 3-2]
* Uterus		Thrombosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 183

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200183

ORGAN AND ACCOUNTABLE SITE STATUS

[Thrombosis TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

Animal Note: Pathologist noted: Inflammation, moderate & Malformation, moderate - Tooth

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 184

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
		Inflammation	Moderate
[Adenoma TGLS = 2-6A]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
Note: Cytoplasmic alteration in olfactory epithelium consists of accumulation of eosinophilic material/globules.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-6A]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 188

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Inflammation	Chronic, Focal, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild

[Fibroadenoma TGLS = 1,2,3,4-5A+5B+5C+5D]

* Urin Bladder

Note: Urinary bladder is present on slide 4.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 189

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Lymph Node
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Marked
	Sternum	Osteopetrosis	Marked
	Turbinates	Osteopetrosis	Marked
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 1-6A]			
* Eye	Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Granulomatous, Focal, Mild
[Eosinophilic Focus TGLS = 7-6]			
[Hepatocellular Adenoma TGLS = 5,6-6]			
[Inflammation TGLS = 8-6]			
Lymph Node			
Note: TGL 3-NCL - mediastinal lymph node is normal			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 189

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200189

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Note: Mammary gland missing on recut.

* Nose

Olfactory Epi, Respirat Epith

Cytoplasmic Alteration

Mild

Nasolacrim Dct

Inflammation

Minimal

Note: Cytoplasmic alteration consisted of eosinophilic material/globules

* Ovary

Atrophy

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 4-6A]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 190

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
* Eye		Cataract	Minimal
	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[Inflammation TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-5A]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Infiltration Cellular	Lymphocyte, Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 191

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
* Brain	Hypothalamus	Compression	Mild
	[Compression TGLS = 3-1]		
* Clitoral Gland		Inflammation	Mild
	[Inflammation TGLS = 1-6A]		
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
	[Inflammation TGLS = 5-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Moderate
	Note: Cytoplasmic alteration consisted of eosinophilic material/globules.		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-6A]		
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 191

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200191

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Sarcoma Stromal

[Sarcoma Stromal TGLS = 2-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 192

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Tongue	* Trachea	* Uterus	* Vagina
* Zymbal's Gland			

MISSING

* Thymus

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	Turbinates	Osteopetrosis	Mild
* Clitoral Gland		Hyperplasia	Mild
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
			[Hyperplasia TGLS = 2-6]
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
			[Fibroadenoma TGLS = 1-5A]
* Pituitary Gland	Pars Distalis	Adenoma	
* Thymus			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 192

TRT#: 1

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 021280200192

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Thymic area present.

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 193

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Focal, Minimal
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
[Inflammation TGLS = 2-6A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
[Inflammation TGLS = 3-6]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-6A]			
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Malachite green
CAS Number: 569-64-2

Date Report Requested: 10/23/2014
Time Report Requested: 09:58:22
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 193

TRT#: 2
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 021280200193

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 4-5A]	Epidermis	Necrosis	Mild
[Necrosis TGLS = 1-5B]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 194

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Brain [Compression TGLS = 1-1]	Hypothalamus	Compression	Minimal
* Clitoral Gland		Inflammation	Minimal
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 2-6A]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 195

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 2-6B]			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Inflammation	Granulomatous, Focal, Mild
[Inflammation TGLS = 6-6]			
Lymph Node	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-16]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1,3-5A+5B]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
Note: Cytoplasmic alteration in olfactory epithelium consists of eosinophilic material/globules.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 195

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200195

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 5-6A]

Pars Distalis

Adenoma

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Adenoma

Follicle

Cyst

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 196

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 021280200196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* 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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 2-6]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	Moderate
[Fibroadenoma TGLS = 1-5A]			
[Galactocele TGLS = 1-5A]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 197

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Clitoral Gland		Adenoma	
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
		Carcinoma	
	[Carcinoma TGLS = 2-2]		
* Liver		Inflammation	Granulomatous, Focal, Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-7]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
	Note: Hyaline droplets in olfactory epithelium		
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 198

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland	Duct	Carcinoma Dilatation	Moderate
Note: TGL 1 was bilateral grossly. One side was a carcinoma. The other side appears to be a dilated duct. [Carcinoma TGLS = 1-6B] [Dilatation TGLS = 1-6B]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	Multiple
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 199

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 1-6]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
Note: Cytoplasmic alteration in olfactory epithelium consists of eosinophilic material/globules.			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-6A]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 200

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Minimal
* Clitoral Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 1-6B]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple, Minimal
		Inflammation	Granulomatous, Focal, Minimal
[Inflammation TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Inflammation	Chronic, Focal, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 4-5A]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 201

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

MISSING

* Parathyroid Gland	* Thyroid Gland		
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OBSERVATIONS

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-6A]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Liver		Basophilic Focus	Multiple
Note: TGL 3-NCL			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-5A]			
* Ovary		Atrophy	Mild
* Parathyroid Gland			
Note: Parathyroid not found in wet tissue.			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland			
Note: Thyroid not found in wet tissue.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 201

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200201

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 202

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Tongue	* Urinary Bladder	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
[Eosinophilic Focus TGLS = 3,4-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-5A]			
* Nose	Olfactory Epi	Cytoplasmic Alteration	Mild
* Ovary		Cyst	Mild
Note: Ovarian cyst consists of a distended bursa.			
[Cyst TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	Follicular Cel	Carcinoma	
* Trachea		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 203

TRT#: 3

SEX: Female

DAY ON TEST: 728

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 021280200203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* 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	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Hydronephrosis	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
[Hydronephrosis TGLS = 2-8]			
* Liver	Bile Duct	Basophilic Focus	Multiple
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Nose	Olfactory Epi, Respirat Epith	Cytoplasmic Alteration	Moderate
Note: Cytoplasmic alteration in olfactory and respiratory epithelium consists of eosinophilic materail/globules.			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 204

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	Moderate
[Compression TGLS = 4-1]			
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Focal, Mild
* Lung		Hemorrhage	Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Carcinoma	
		Dilatation	Minimal
		Hyperplasia	Minimal
[Carcinoma TGLS = 1-5A]			
* Ovary		Cyst	Moderate
Note: Cyst was distended bursa.			
[Cyst TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-6A]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 204

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200204

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 205

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 2-6A]			
* Urinary Bladder	Transit Epithe	Carcinoma	
[Carcinoma TGLS = 1-8A]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 206

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Tongue
* Trachea	* Vagina	* Zymbal's Gland	

MISSING

* Urinary Bladder

OBSERVATIONS

* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Clitoral Gland		Inflammation	Minimal
* Eye		Cataract	Mild
	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 3-6]		
* Lung		Inflammation	Chronic, Focal, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-5A]		
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-6A]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 206

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200206

ORGAN AND ACCOUNTABLE SITE STATUS

* Urin Bladder

Note: Search of wet tissue for urinary bladder was unsuccessful.

* Uterus

Decidual Reaction

Mild

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 207

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 1-6A]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Inflammation TGLS = 5,6-6]		Inflammation	Granulomatous, Focal, Minimal
Lymph Node	Lumbar	Ectasia	Marked
	Lumbar	Hyperplasia	Lymphoid, Marked
[Ectasia TGLS = 3-16]			
[Hyperplasia TGLS = 3-16]			
* Mammary Gland		Hyperplasia	Minimal
* Nose	Olfactory Epi	Cytoplasmic Alteration	Minimal
Note: Cytoplasmic alteration in olfactory epithelium consists of eosinophilic material/globules.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 207

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200207

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[Hyperplasia TGLS = 2-14]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 3 - noted grossly as Tissue NOS was lumbar lymph node.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Malachite green

CAS Number: 569-64-2

Date Report Requested: 10/23/2014

Time Report Requested: 09:58:22

First Dose M/F: NA / NA

Lab: NCTR

ANIMAL ID: 208

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Clitoral Gland	Duct	Dilatation Hyperplasia Inflammation	Moderate Mild Mild
[Dilatation TGLS = 1-6A]			
* Eye	Retina	Degeneration Infiltration Cellular Polyp Adenomatous	Mild Lymphocyte, Minimal
* Harderian Gland			
* Intestine Large, Rectum			
[Polyp Adenomatous TGLS = 6-5]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Eosinophilic Focus Hematopoietic Cell Proliferation Hepatodiaphragmatic Nodule	Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-6]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma Angiectasis	Mild
[Adenoma TGLS = 4-6A]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 93005-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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Lab: NCTR

ANIMAL ID: 208

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 600 PPM

DISP: Terminal Sacrifice

HISTO: 021280200208

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Mild
* Uterus [Polyp Stromal TGLS = 7-14]	Polyp Stromal	
* Vagina [Prolapse TGLS = 3-14]	Prolapse	Moderate

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE