

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:07  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>C Number:</b>	C93029
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 425
	<b>DOSE:</b> 272 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100011

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Brain	Brain Stem	Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-6 ]		
* Lymph Node	Mesenteric	Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 1-16 ]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spinal Cord	Thoracic	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2 ]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[ Adenoma TGLS = 3-14 ]		
* Thymus		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 11

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 425

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100011

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 429
	<b>DOSE:</b> 272 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 21280100012

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Islets, Pancreatic	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

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**AUTO PRECLUDES DIAG.**

\* Intestine Small - Jejunum

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**OBSERVATIONS**

* Eye	Retina	Autolysis	
		Cataract	Mild
* Kidney		Pigmentation	Mild
* Liver	Centrilobular	Necrosis	Moderate
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Skin		Inflammation	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH** - Liver Centrilobular Necrosis

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Animal Note: COD... PROBABLE-Liver,Necrosis

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\* PROTOCOL REQUIRED TISSUE

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**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 13

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 467

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100013

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Pigmentation	Minimal
* Preputial Gland		Inflammation	Minimal
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 06			
* Skin		Basal Cell Carcinoma	
	[ Basal Cell Carcinoma TGLS = 3-16 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-14 ]		

**PRIMARY CAUSE OF DEATH** - Skin Basal Cell Carcinoma

Animal Note: COD... PROBABLE-Skin,Basal Cel Carc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 14

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 465

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100014

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* 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	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Mild
		Thrombosis	Marked
[ Thrombosis TGLS = 2-8.1 ]			
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 3-6 ]			
* Pancreas	Acinus	Atrophy	Mild
	Artery	Inflammation	Chronic, Moderate
* Preputial Gland		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		Mesothelioma Malignant	
[ Adenoma TGLS = 1-14 ]			

**PRIMARY CAUSE OF DEATH**

- Kidney Thrombosis

Animal Note: PATHOLOGIST NOTED: CAUSE OF DEATH IS HEMORRHAGE; THE LESION IS A THROMBUS.

Animal Note: COD... PROBABLE-Kidney,Thrombosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 15

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 477

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100015

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Coagulating Gland	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Brain	Cerebrum, Hypothalamus	Compression	Moderate
	Brain Stem	Hemorrhage	Moderate
* Eye	Retina	Autolysis	
* Liver	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 1-6.1 ]		
* Prostate		Inflammation	Mild
* Spleen		Pigmentation	Moderate
* Thymus			

Note: PATHOLOGIST NOTED: WET TISSUE REQUEST FOR THYMUS RESULTED IN NO THYMUS FOUND IN WET TISSUE

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 16

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 495

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100016

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
	Centrilobular	Developmental Malformation	
	[ Developmental Malformation TGLS = 4-6.2 ]	Necrosis	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Carcinoma	
	[ Carcinoma TGLS = 1-15 ]		
* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Mild
		[ Hematopoietic Cell Proliferation TGLS = 3-2 ]	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-14 ]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 16

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 495

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100016

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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Animal Note: COD... PROBABLE-Preputial GI,Squam Cel Carc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 17

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 531

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100017

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary GI			
Note: PER PATHOLOGIST NO RECUT			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
			[ Adenoma TGLS = 2-6 ]
* Preputial Gland		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
	Serosa	Inflammation	Chronic, Moderate
			[ Decreased Secretory Fluid TGLS = 1-15 ]
* Testes	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 17

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 531

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100017

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 18

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 589

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100018

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 2-6 ]		
* Preputial Gland		Inflammation	Mild
	[ Inflammation TGLS = 1-15 ]		
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Seminif Tub	Atrophy	Minimal
		Mineralization	Minimal

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 19

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 533

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100019

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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	* Lung
* Lymph Node - Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Epididymis			
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node	Mesenteric	Hemorrhage	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 4-16 ]			
* Sem Ves			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Skin			
Note: TGL # 04 - NOTED GROSSLY AS SKIN WAS PREPUTIAL GLAND			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			

**PRIMARY CAUSE OF DEATH** -

Animal Note: COD... PROBABLE-Preputial GI,Squam Cel Carc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 19

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 533

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100019

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 24

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 569

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100024

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Tongue
* Trachea	* Zymbal's Gland		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
* Brain	Brain Stem	Hemorrhage	Moderate
[ Hemorrhage TGLS = 6-1 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
[ Leukemia Mononuclear TGLS = 4-6.1 ]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-5 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Skin		Keratoacanthoma	
[ Keratoacanthoma TGLS = 5-16 ]			
* Spinal Cord	Thoracic	Hemorrhage	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 569
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100024

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes [ Adenoma TGLS = 2-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thymus Note: PATHOLOGIST NOTED: WET TISSUE FOR THYMUS RESULTED IN NO THYMUS FOUND IN WET TISSUE			
* Urinary Bladder Note: TGL # 03 - NO SECTION TAKEN		Hemorrhage	Moderate

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PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 603

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100025

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen
* Stomach - Glandular	* Testes	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Moderate
* Parathyroid Gland		Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Preputial Gland		Inflammation	Mild
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 06			
* Prostate		Inflammation	Mild
* Skin		Cyst Epithelial Inclusion	
[ Cyst Epithelial Inclusion TGLS = 1-16 ]			
* Stomach	Forestomach	Inflammation	Mild
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 2-6 ]			

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 26

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 589

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100026

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Mammary Gland	* Pituitary Gland	* Thymus
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**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Intestine Large	Cecum, Lymphoid Tiss	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-5 ]			
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-6 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 26

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 589

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100026

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus

Note: PATHOLOGIST NOTED: WET TISSUE FOR THYMUS RESULTED IN NO THYMUS FOUND IN WET TISSUE

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PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 27

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 610

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100027

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* 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	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
* Bone	Sternum	Fibrous Osteodystrophy	Mild
* Eye			
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 2-8 ]			
* Liver		Vacuolization Cytoplasmic	Moderate
[ Vacuolization Cytoplasmic TGLS = 3-6 ]			
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
Note: TGL # 01 - NO MICROSCOPIC CORRELATE			
* Parathyroid Gland			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 610 <b>HISTO:</b> 21280100027
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate		Inflammation	Mild
* Stomach	Forestomach	Inflammation	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

Animal Note: COD... CONTRIBUTORY-Kidney,Nephropathy

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 28

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 596

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100028

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Epididymis	* 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	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Coagulating Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Mammary Gland	Duct	Dilatation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial GI			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 06			
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
		[ Decreased Secretory Fluid TGLS = 2-15 ]	
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 3-2 ]	
* Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 596 <b>HISTO:</b> 21280100028
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 1-14 ] * Thyroid Gland [ Adenoma TGLS = 4-6 ]	Interstit Cell  C Cell	Hyperplasia  Adenoma	Mild
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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 29

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 605

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100029

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Ileum	* Islets, Pancreatic	* Lymph Node - Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Lymph Node - Mandibular

**OBSERVATIONS**

* Adrenal Gland	Medulla Cortex	Pheochromocytoma Benign Vacuolization Cytoplasmic	Mild
[ Pheochromocytoma Benign TGLS = 12-11 ]			
* Eye	Retina	Autolysis	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 9-3 ]			
* Intestine Small	Duodenum Jejunum	Autolysis Autolysis	Moderate Moderate
* Kidney		Histiocytic Sarcoma Nephropathy	Mild
[ Histiocytic Sarcoma TGLS = 5,13-8 ]			
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule	
Note: TGL # 08 - NO MICROSCOPIC CORRELATE			
Note: TGL # 07 - NO MICROSCOPIC CORRELATE			
[ Hepatodiaphragmatic Nodule TGLS = 6-6.1 ]			
* Lung		Histiocytic Sarcoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 29

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 605

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100029

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Histiocytic Sarcoma TGLS = 10-7+7.1 ]

\* Lymph Node

Note: PATHOLOGIST NOTED: LYMPH NODE,MANDIBULAR OBLITERATED BY HISTOCYTIC SARCOMA

\* Nose

Inflammation

Suppurative, Minimal

\* Salivary Glands

Histiocytic Sarcoma

[ Histiocytic Sarcoma TGLS = 1-13 ]

\* Sem Ves

Note: TGL # 02 - NO MICROSCOPIC CORRELATE

\* Spleen

Pigmentation

Mild

\* Testes

Bilateral, Interstit Cell

Adenoma

Note: TGL # 04 - NO MICROSCOPIC CORRELATE

[ Adenoma TGLS = 3-14 ]

\* Thymus

Histiocytic Sarcoma

[ Histiocytic Sarcoma TGLS = 11-3 ]

PRIMARY CAUSE OF DEATH - Heart Histiocytic Sarcoma

CONTRIBUTORY CAUSE OF DEATH - Lung Histiocytic Sarcoma

Animal Note: COD... CONTRIBUTORY-Lung,Histio Sarc

Animal Note: PATHOLOGIST NOTED: MESENTERY-NECROSIS,FAT,MILD

Animal Note: COD... PROBABLE-Heart,Histio Sarc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 30

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 622

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100030

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
* Eye	Bilateral	Cataract	Mild
	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-6 ]		
* Lymph Node	Mesenteric	Leukemia Mononuclear	
* Mammary GI			
	Note: PATHOLOGIST NOTED: MAMMARY AREA PRESENT - NO RECUT		
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Leukemia Mononuclear	
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
* Skin			
	Note: TGL # 03 - NOTED GROSSLY AS SKIN WAS ZYMBAL'S GLAND		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 30

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 622

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100030

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 4-14 ]

\* Zymbal's Gland

Carcinoma

[ Carcinoma TGLS = 3-16 ]

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**PRIMARY CAUSE OF DEATH**

- Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 31

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100031

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Coagulating Gland
* Epididymis	* 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
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Brain	Cerebrum	Compression	Mild
Note: PATHOLOGIST NOTED: LESION DUE TO PRESENCE OF ZYMBAL'S GLAND,CARCINOMA			
[ Compression TGLS = 5-1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 1-15 ]			
* Skin			
Note: TGL # 04 - NOTED GROSSLY AS SKIN WAS ZYMBAL'S GLAND			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			
* Zymbal's Gland		Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 31

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100031

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Carcinoma TGLS = 4-5.1+12 ]

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PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

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Animal Note: COD... PROBABLE-Zymbals GI,Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 32

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 648

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100032

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 6-8 ]			
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Moderate
[ Hyperplasia TGLS = 4-6 ]			
[ Necrosis TGLS = 4-6 ]			
* Lung			
Note: TGL # 07 - NO MICROSCOPIC CORRELATE			
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Mineralization	Mild
* Pancreas	Acinar Cell	Adenocarcinoma	
[ Adenocarcinoma TGLS = 5-2 ]			
* Preputial Gland		Adenoma	
		Inflammation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 648 <b>HISTO:</b> 21280100032
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Spleen		Adenocarcinoma	Metastatic (Pancreas)
		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-14 ]			

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**PRIMARY CAUSE OF DEATH** - Liver Centrilobular Necrosis

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Animal Note: TGL # 05 - NOTED GROSSLY AS LYMPH NODE,PANCREATIC WAS PANCREAS

Animal Note: COD... PROBABLE-Liver,Necrosis

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 33

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100033

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Complex	
	[ Pheochromocytoma Complex TGLS = 2-11.1 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
	Note: PATHOLOGIST NOTED: TGL 03 & 04 WERE POST MORTEM ATRIAL FILLING		
	Note: TGL # 03 & 04 - NO MICROSCOPIC CORRELATE		
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	[ Eosinophilic Focus TGLS = 6-6 ]		
* Lymph Node	Mesenteric	Infiltration Cellular	Plasma Cell, Mild
	[ Infiltration Cellular TGLS = 5-5 ]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 33

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100033

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 1-14 ]

\* Thymus

Note: PATHOLOGIST NOTED: THYMIC ARE PRESENT - NO RECUT

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PRIMARY CAUSE OF DEATH - Adrenal Gland Medulla Pheochromocytoma Complex

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Animal Note: COD... PROBABLE-Adrenal GI,Pheochrom Cplx

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 34

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 652

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100034

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Mammary Gland	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Brain [ Compression TGLS = 6-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney [ Nephropathy TGLS = 2-8 ]	Renal Tubule	Hyperplasia Nephropathy	Mild Marked
* Liver	Bile Duct	Hyperplasia Inflammation	Mild Granulomatous, Focal, Mild
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Lymph Node Note: TGL # 05 - NOTED GROSSLY AS LYMPH NODE, MESENTERIC WAS MESENTERY			
Mesentery [ Polyarteritis TGLS = 5-5 ]		Polyarteritis	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland [ Adenoma TGLS = 4-6.1 ]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 652 <b>HISTO:</b> 21280100034
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Seminal Vesicle		Decreased Secretory Fluid	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[ Carcinoma TGLS = 3-6.1 ]			

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PRIMARY CAUSE OF DEATH - Kidney Nephropathy

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Animal Note: COD... PROBABLE-Kidney,Nephropathy

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 649
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100035

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
* Bone Marrow		Atrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-6 ]		
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2,3-7.1 ]		
* Lymph Node	Mesenteric	Ectasia	Moderate
	[ Ectasia TGLS = 6-16 ]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 7-6 ]		
* Preputial Gland		Inflammation	Mild
	Note: PATHOLOGIST NOTED: THYMIC ARE PRESENT - NO RECUT		
* Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 35

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 649

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100035

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 1-2 ]

\* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

[ Adenoma TGLS = 5-14 ]

\* Thymus

Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT

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PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

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Animal Note: TGL # 06 - NOTED GROSSLY AS TISSUE NOS WAS LYMPH NODE, MESENTERIC

Animal Note: COD... PROBABLE-Spleen, Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 37

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 650

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100037

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Coagulating Gland	* Epididymis
* 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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
* Brain	Cerebrum	Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 7-7.1 ]	Leukemia Mononuclear	
* Mammary Gland			
	Note: PATHOLOGIST NOTED: MAMMARY AREA PRESENT - NO RECUT		
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Moderate
	[ Inflammation TGLS = 4-15 ]		
* Skin		Cyst Epithelial Inclusion	
	[ Cyst Epithelial Inclusion TGLS = 3-5.1 ]		
* Spleen		Infarct	
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 37

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 650

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100037

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Infarct TGLS = 6-2 ]

[ Leukemia Mononuclear TGLS = 1-2 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 5,8-14 ]

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PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 38

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 643

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100038

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mandibular	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder

**MISSING**

\* Zymbal's Gland

**OBSERVATIONS**

* Brain	Brain Stem	Hemorrhage	Mild
* Eye	Retina	Autolysis	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-6 ]		
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-7 ]		
* Lymph Node	Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 2-6 ]		
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-2 ]		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 643
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 21280100038

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[ Adenoma TGLS = 5-14 ]			
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Zymbals GI			
Note: PER PATHOLOGIST NO RECUT			

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PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 39

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 651

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100039

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Epididymis	* Esophagus
* Eye	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Cytoplasmic Alteration	Moderate
* Bone	Sternum	Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Coagulating Gland		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 7-15 ]			
* Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 11-5 ]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 10,12-2+5 ]			
* Preputial Gland		Inflammation	Moderate
[ Inflammation TGLS = 1-5.1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 651 <b>HISTO:</b> 21280100039
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 6-15 ]		Decreased Secretory Fluid	Moderate
* Skin Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS PREPUTIAL GLAND			
* Spleen [ Leukemia Mononuclear TGLS = 4,5-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 2,3-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thymus [ Leukemia Mononuclear TGLS = 9-3 ]		Leukemia Mononuclear	

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND-METAPLASIA,MILD ON SLIDE # 13

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 40                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 652  
**DOSE:** 0 PPM                      **DISP:** Moribund                      **HISTO:** 21280100040

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Infiltration Cellular	Lymphocyte, Mild
		Pigmentation	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6,8-3+5 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-6.1 ]			
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15 ]			
* Skin		Keratoacanthoma	
[ Keratoacanthoma TGLS = 2-5.1 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-2 ]			
* Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 652 <b>HISTO:</b> 21280100040
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Interstit Cell	Hyperplasia	Minimal
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[ Adenoma TGLS = 3-14 ]

\* Thymus

Note: TGL # 06 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL

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PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 656

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100041

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large - Colon	* Intestine Large - Rectum
* Islets, Pancreatic	* Lymph Node - Mandibular	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Bone	Sternum	Leukemia Mononuclear	
* Eye			
Note: PATHOLOGIST NOTED: OPACITY WAS PROBABLY A POST MORTEM CHANGE IN THE CORNEA			
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Intestine Large	Cecum	Leukemia Mononuclear	
* Intestine Small	Duodenum	Leukemia Mononuclear	
	Ileum	Leukemia Mononuclear	
	Jejunum	Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 2-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-5.1 ]			
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 6-16 ]			
* Pancreas		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 656 <b>HISTO:</b> 21280100041
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Skin		Abscess	Moderate
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-2 ]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-3.1 ]			

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 42

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 652

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100042

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Testes	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Brain [ Compression TGLS = 6-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver [ Leukemia Mononuclear TGLS = 3-6 ]	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung Mesentery [ Necrosis TGLS = 1-16 ]	Fat	Leukemia Mononuclear Necrosis	Mild
* Pituitary Gland [ Adenoma TGLS = 4-6.1 ]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Spleen [ Leukemia Mononuclear TGLS = 2,5-2 ]		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 43

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 658

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100043

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-6 ]			
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
[ Hemorrhage TGLS = 7-7 ]			
* Lymph Node	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-5 ]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15 ]			
* Prostate		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 43

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 658

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100043

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 2-2 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 4,5-14 ]

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**PRIMARY CAUSE OF DEATH**

- Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 666
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 21280100044

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Islets, Pancreatic
* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

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**MISSING**

\* Mammary Gland

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**AUTO PRECLUDES DIAG.**

\* Intestine Small - Ileum                      \* Intestine Small - Jejunum

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**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Malignant	
	[ Pheochromocytoma Malignant TGLS = 4-11 ]		
* Eye	Retina	Autolysis	
	Bilateral	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
	[ Nephropathy TGLS = 5-8 ]		
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
* Mammary GI			
	Note: PATHOLOGIST NOTED: MAMMARY AREA PRESENT - NO RECUT		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 3-15 ]		
* Spleen		Pigmentation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 666
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 21280100044

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes	Bilateral, Interstit Cell	Adenoma
[ Adenoma TGLS = 1,2-14 ]		

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**PRIMARY CAUSE OF DEATH** - Adrenal Gland Medulla Pheochromocytoma Malignant

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Animal Note: COD... PROBABLE-Adrenal GI,Pheochrom Mal

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 46

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 669

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100046

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Coagulating Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus Cerebrum	Compression Hemorrhage	Moderate Moderate
[ Hemorrhage TGLS = 6-1 ]			
* Eye	Retina	Autolysis	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Degeneration Hyperplasia	Cystic, Mild Minimal
Note: TGL # 08 - NO MICROSCOPIC CORRELATE			
Note: PATHOLOGIST NOTED: NOTED GROSSLY AS FOCI WAS CONGESTED VESSELS			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 5-7.1 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
[ Infiltration Cellular TGLS = 9-13 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6 ]			
* Preputial Gland		Inflammation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 46

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 669

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100046

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Inflammation TGLS = 1-15.1 ]

* Prostate	Inflammation	Minimal
* Seminal Vesicle	Decreased Secretory Fluid	Mild

[ Decreased Secretory Fluid TGLS = 7-15 ]

* Spleen	Pigmentation	Mild
* Testes	Bilateral, Interstit Cell Adenoma	

[ Adenoma TGLS = 2,3-14+14.1 ]

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 47

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 677

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100047

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
* Bone	Femur	Fibrous Osteodystrophy	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
	[ Nephropathy TGLS = 3-8 ]		
* Liver		Eosinophilic Focus	
	[ Vacuolization Cytoplasmic TGLS = 4-6 ]	Vacuolization Cytoplasmic	Mild
* Lymph Node	Mesenteric	Hemorrhage	Mild
* Mammary Gland			
	Note: TGL # 01 - NOTED GROSSLY AS MAMMARY GLAND WAS SKIN		
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Preputial Gland		Inflammation	Mild
	[ Inflammation TGLS = 2-15 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
* Skin		Fibroma	
	[ Fibroma TGLS = 1-16 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 47

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 677

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100047

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 5,6-14 ]

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PRIMARY CAUSE OF DEATH

- Skin Fibroma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

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Animal Note: COD... CONTRIBUTORY-Kidney,Nephropathy

Animal Note: COD... PROBABLE-Skin,Fibroma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 48

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 680

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100048

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Bone - Femur	* Brain - Brain Stem	* Brain - Cerebellum
* Brain - Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Mammary Gland	Mesentery
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Tongue
* Trachea	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
* Blood Vessel	Aorta	Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 10,11-8+8.1 ]		
* Liver	Bile Duct	Hyperplasia	Mild
	[ Leukemia Mononuclear TGLS = 3-6.2 ]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 18,19,20,21,22-7.1+7.2 ]		
* Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2,12,13,14,15,16,17-5.1+13+16.1-16.5 ]		
Mesentery			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 680
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100048

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: TGL # 01 - NO MICROSCOPIC CORRELATE

* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Minimal
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
	[ Decreased Secretory Fluid TGLS = 7-15 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 9-2 ]		
* Stomach	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
	[ Adenoma TGLS = 6-14 ]		
	[ Atrophy TGLS = 5-14 ]		
* Thymus		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-3.1 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 8-8 ]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 49

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 688

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100049

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Testes	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

Ear	Pinna	Neural Crest Tumor	
[ Neural Crest Tumor TGLS = 2-16 ]			
* Heart		Cardiomyopathy	Mild
* Intest Large			
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Lymph Node	Mandibular	Ectasia	Mild
	Mesenteric	Ectasia	Moderate
[ Ectasia TGLS = 5-5 ]			
* Mammary Gland	Duct	Dilatation	Mild
		Galactocele	
Note: TGL # 07 - NOTED GROSSLY AS MAMMARY GLAND WAS SKIN			
[ Galactocele TGLS = 6-16.1 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Preputial Gland		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 688 <b>HISTO:</b> 21280100049
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Skin		Lipoma	
[ Lipoma TGLS = 7-16.2 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Moderate

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**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 688
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100050

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Heart	Ventricl Rgt Atrium	Dilatation Thrombosis	Moderate
[ Dilatation TGLS = 5-3 ]			
* Islets, Pancreatic		Adenoma	
[ Adenoma TGLS = 10-2 ]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hepatocellular Adenoma Hyperplasia Vacuolization Cytoplasmic	Moderate Moderate
Note: TGL # 11 - NO MICROSCOPIC CORRELATE			
[ Hepatocellular Adenoma TGLS = 7-6 ]			
[ Hyperplasia TGLS = 8-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular Mesenteric	Hemorrhage Hyperplasia	Mild Lymphoid, Mild
[ Hemorrhage TGLS = 1-13 ]			
[ Hyperplasia TGLS = 9-5 ]			
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Atrophy	Mild
Note: TGL # 10 - NOTED GROSSLY AS PANCREAS WAS ISLETS PANCREAS			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 688 <b>HISTO:</b> 21280100050
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Preputial Gland [ Inflammation TGLS = 2-15 ]		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Skin [ Hyperkeratosis TGLS = 6-16 ]		Hyperkeratosis	Moderate
* Spleen [ Leukemia Mononuclear TGLS = 4-2 ]		Leukemia Mononuclear	
* Stomach [ Erosion TGLS = 13-4 ]	Glandular	Erosion	Mild
* Testes [ Adenoma TGLS = 12-14 ] [ Atrophy TGLS = 3-14 ]	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Mild

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 51

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 691

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100051

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain	Brain Stem	Leukemia Mononuclear	
	Cerebellum	Leukemia Mononuclear	
	Cerebrum	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-1 ]		
* Harderian Gland		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-11 ]		
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-6.1 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 6-5.1 ]		
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 691 <b>HISTO:</b> 21280100051
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes [ Adenoma TGLS = 1-14 ]	Bilateral, Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 52

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 691

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100052

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
* Harderian Gland			
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
		Pigmentation	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-6 ]			
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
[ Hemorrhage TGLS = 8-7+7.1 ]			
* Lymph Node	Mesenteric	Infiltration Cellular	Plasma Cell, Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Preputial Gland		Inflammation	Mild
[ Inflammation TGLS = 1-15 ]			
* Prostate		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 9-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 6-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 691 <b>HISTO:</b> 21280100052
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Leukemia Mononuclear TGLS = 4-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 2,3-14 ]	Bilateral, Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 53

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 699

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100053

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lymph Node - Mandibular	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

* Mammary Gland	* Pituitary Gland
-----------------	-------------------

**AUTO PRECLUDES DIAG.**

\* Intestine Small - Duodenum

**OBSERVATIONS**

* Coagulating Gland		Inflammation	Suppurative, Mild
* Eye	Retina	Autolysis	
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node	Mesenteric	Ectasia	Mild
* Mammary Gland			
Note: PER PATHOLOGIST NO RECUT			
* Pancreas	Acinus	Atrophy	Mild
* Prostate		Decreased Secretory Fluid	Mild
		[ Decreased Secretory Fluid TGLS = 4-15 ]	
* Seminal Vesicle		Decreased Secretory Fluid	Mild
		[ Decreased Secretory Fluid TGLS = 5-15 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 699 <b>HISTO:</b> 21280100053
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Leukemia Mononuclear TGLS = 2-2 ]		Leukemia Mononuclear
* Testes [ Adenoma TGLS = 1-14 ]	Bilateral, Interstit Cell	Adenoma

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 56

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 707

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100056

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
		Pigmentation	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node	Pancreatic	Infiltration Cellular	Plasma Cell, Mild
		[ Infiltration Cellular TGLS = 1-16 ]	
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gl			
		Note: TGL # 03 - NO MICROSCOPIC CORRELATE	
* Preputial Gland		Infiltration Cellular	Chronic, Mild
* Prostate		Inflammation	Moderate
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 2-2 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 56

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 707

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100056

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 57

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 708

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100057

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
* Epididymis	Serosa	Cyst	
[ Cyst TGLS = 3-14 ]			
* Heart		Cardiomyopathy	Mild
* Intestine Large	Cecum, Lymphoid Tiss	Hyperplasia	Moderate
[ Hyperplasia TGLS = 8-4.1 ]			
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-6 ]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Galactocele	
[ Galactocele TGLS = 6-16 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
		Inflammation	Mild
[ Adenoma TGLS = 1-15 ]			
[ Inflammation TGLS = 1-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 57	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 708 <b>HISTO:</b> 21280100057
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Inflammation	Mild
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 4-15 ]	Decreased Secretory Fluid	Mild
* Skin Note: TGL # 06 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND		
* Spleen [ Leukemia Mononuclear TGLS = 5-2 ]	Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 2-14 ]	Bilateral, Interstit Cell Adenoma	

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

Animal Note: PATHOLOGIST NOTED: LYMPH NODE,MEDIASTINAL-LEUKEMIA MONUC LOCATED ON SLIDE # 03

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 58

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 715

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100058

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 2-1 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lung			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Lymph Node	Mesenteric	Ectasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-6 ]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Spleen		Pigmentation	Mild
* Stomach	Forestomach	Inflammation	Mild
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 58	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 715
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100058

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 04 - NO MICROSCOPIC CORRELATE

[ Adenoma TGLS = 6-14 ]

* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

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**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 59

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100059

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Bone Marrow		Atrophy	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mesenteric	Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3,4-2.1+2 ]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
	[ Adenoma TGLS = 2-14 ]		
	[ Atrophy TGLS = 1-14 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 59

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100059

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus

Leukemia Mononuclear

---

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 60

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100060

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactoceles	
		[ Galactoceles TGLS = 3-5.1 ]	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Marked
		[ Inflammation TGLS = 1,2-15 ]	
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
		[ Decreased Secretory Fluid TGLS = 5-15 ]	
* Skin			
		Note: TGL # 03 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND	
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 60	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100060
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 4-14 ] * Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 61

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100061

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Epididymis			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Eye	Lids	Sarcoma	
[ Sarcoma TGLS = 4-11 ]			
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-5 ]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6 ]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100061

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 62                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 725  
**DOSE:** 0 PPM                      **DISP:** Terminal Sacrifice                      **HISTO:** 21280100062

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Intestine Large	Cecum, Lymphoid Tiss	Hyperplasia	Mild
[ Hyperplasia TGLS = 7-5 ]			
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 4,5-8 ]			
* Liver	Bile Duct	Hyperplasia	Mild
[ Vacuolization Cytoplasmic TGLS = 6-6 ]		Vacuolization Cytoplasmic	Mild
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 63

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100063

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Epididymis	* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Coagulating Gland

**OBSERVATIONS**

* Coagulat GI			
Note: PER PATHOLOGIST NO RECUT			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Cyst	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	[ Cyst TGLS = 6-6.1 ]		
	[ Hyperplasia TGLS = 2-6 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 5-7 ]		
* Preputial Gland		Carcinoma	
	[ Carcinoma TGLS = 1-15.1 ]		
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 3,4-14 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 63

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100063

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 64

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100064

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Adenoma	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-6 ]		
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
		Galactocele	
	[ Dilatation TGLS = 2-5.1 ]		
	[ Galactocele TGLS = 3-5.2 ]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 5-6 ]		
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Skin			
	Note: TGL # 02 & 03 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND		
* Spleen		Fibrosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 64

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100064

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Leukemia Mononuclear

[ Fibrosis TGLS = 1-2 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 65

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100065

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

* Parathyroid Gland	* Pituitary Gland
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**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Eosinophilic Focus TGLS = 3-6 ]			
[ Hyperplasia TGLS = 4-6 ]			
* Nose	Respirat Epith	Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 65

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100065

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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Animal Note: PATHOLOGIST NOTED: SLIDES 04 & 05 WERE REVERSED. ALL TISSUE PRESENT;NO LESIONS

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 66                      **TRT#:** 2                      **SEX:** Male                      **DAY ON TEST:** 725  
**DOSE:** 91 PPM                      **DISP:** Terminal Sacrifice                      **HISTO:** 21280100066

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[ Nephropathy TGLS = 4-8 ]			
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 5-6 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Skin		Lipoma	
[ Lipoma TGLS = 1-16 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 67

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100067

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland [ Adenoma TGLS = 5-11 ]	Cortex	Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alv Bron	Adenoma	
* Lymph Node [ Infiltration Cellular TGLS = 1-13 ]	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland [ Adenoma TGLS = 7-6 ]	Pars Distalis	Adenoma	
* Preputial Gland [ Adenoma TGLS = 2-15.1 ]		Adenoma	
* Prostate		Inflammation	Mild
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 6-15 ]		Decreased Secretory Fluid	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 67

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100067

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3,4-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 68

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100068

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
[ Hepatodiaphragmatic Nodule TGLS = 11-6 ]			
[ Leukemia Mononuclear TGLS = 10-6 ]			
* Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Lumbar	Pigmentation	Moderate
	Pancreatic	Pigmentation	Moderate
[ Hyperplasia TGLS = 8,9-2+16 ]			
[ Pigmentation TGLS = 8,9-2+16 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-16.1 ]			
* Nose		Leukemia Mononuclear	
* Pancreas			

Note: TGL # 08 - NOTED GROSSLY AS PANCREAS WAS LYMPH NODE,PANCREATIC

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100068

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 5-15 ]		
* Skin		Keratoacanthoma	
	[ Keratoacanthoma TGLS = 1-16.2 ]		
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[ Fibrosis TGLS = 7-2 ]		
	[ Leukemia Mononuclear TGLS = 6-2 ]		
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
	[ Adenoma TGLS = 3-14 ]		
	[ Atrophy TGLS = 4-14 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 69

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100069

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Minimal
* Skin		Cyst Epithelial Inclusion	
	Face	Squamous Cell Papilloma	
	[ Cyst Epithelial Inclusion TGLS = 1-16 ]		
	[ Squamous Cell Papilloma TGLS = 4-16.1 ]		
* Spleen		Fibrosis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2,3-14 ]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 70      **TRT#:** 2      **SEX:** Male      **DAY ON TEST:** 725  
**DOSE:** 91 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 21280100070

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
	[ Decreased Secretory Fluid TGLS = 4-15 ]		
* Spleen		Fibrosis	Moderate
	[ Fibrosis TGLS = 3-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1,2-14 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 71

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100071

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Lymph Node - Mandibular

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 4,5-6 ]			
* Lymph Node	Mesenteric	Hemorrhage	Mild
Note: PER PATHOLOGIST NO RECUT FOR LYMPH NODE,MANDIBULAR			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
[ Cyst TGLS = 6-6 ]			
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 2-15 ]			
* Spleen			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 71

**TRT#:** 2  
**DOSE:** 91 PPM

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

**DAY ON TEST:** 725  
**HISTO:** 21280100071

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Testes  
[ Adenoma TGLS = 1-14 ]

Bilateral, Interstit Cell

Adenoma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 72                      **TRT#:** 2                      **SEX:** Male                      **DAY ON TEST:** 725  
**DOSE:** 91 PPM                      **DISP:** Terminal Sacrifice                      **HISTO:** 21280100072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve	* Prostate	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[ Degeneration TGLS = 7-6 ]			
[ Leukemia Mononuclear TGLS = 8-6 ]			
* Lymph Node	Mesenteric	Ectasia	Mild
	Renal	Hyperplasia	Lymphoid, Mild
[ Ectasia TGLS = 6-5.1 ]			
[ Hyperplasia TGLS = 4-16 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Skin		Cyst Epithelial Inclusion	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100072

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Cyst Epithelial Inclusion TGLS = 5-5 ]

\* Spleen Leukemia Mononuclear

\* Testes Bilateral, Interstit Cell Adenoma

Note: TGL # 02 - NO MICROSCOPIC CORRELATE

[ Adenoma TGLS = 1-14 ]

\* Thymus  
Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT

\* Thyroid Gland C Cell Hyperplasia Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 73

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100073

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Eye		Cataract	Mild
[ Cataract TGLS = 3-11 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
[ Leukemia Mononuclear TGLS = 2-6 ]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Ectasia	Mild
[ Ectasia TGLS = 4-13 ]	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2.1 ]			
* Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100073
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 5-14 ] * Thymus * Thyroid Gland	Interstit Cell  C Cell	Hyperplasia  Leukemia Mononuclear Adenoma	Minimal
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PRIMARY CAUSE OF DEATH

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Animal Note: PATHOLOGIST NOTED: TOOTH-DYSPLASIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100074

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland [ Adenoma TGLS = 4-11 ]	Cortex	Adenoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
[ Eosinophilic Focus TGLS = 6-6 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Preputial Gland		Adenoma	
		Inflammation	Mild
[ Adenoma TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
Note: TGL # 02 - NO MICROSCOPIC CORRELATE			
[ Adenoma TGLS = 3-14 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100074

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND-METAPLASIA, MILD ON SLIDE # 13

Animal Note: PATHOLOGIST NOTED: TOOTH-DYSPLASIA ON SLIDE # 10

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 75

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100075

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Intestine Small [ Inflammation TGLS = 4-5 ]	Ileum	Inflammation	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Necrosis	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Mild
		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 2-15 ]		Decreased Secretory Fluid	Moderate
* Spleen [ Fibrosis TGLS = 3-2 ]		Fibrosis	Mild
* Testes [ Adenoma TGLS = 1-14 ]	Bilateral, Interstit Cell	Adenoma	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 76

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100076

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 6-8 ]			
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
[ Vacuolization Cytoplasmic TGLS = 7-6 ]			
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland	Duct	Adenoma	
		Ectasia	Mild
		Inflammation	Mild
[ Adenoma TGLS = 1-15.1 ]			
[ Ectasia TGLS = 2-15.1 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 8-15 ]			
* Skin	Foot	Inflammation	Chronic, Mild
[ Inflammation TGLS = 5-16 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 76

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100076

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3,4-14+14.1 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 77

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100077

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Eye	Sclera	Metaplasia	Osseous, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 3-8 ]			
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Vacuolization Cytoplasmic TGLS = 6-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 8-7.1 ]			
* Lymph Node	Mandibular	Ectasia	Moderate
[ Ectasia TGLS = 2-13 ]			
* Mammary Gland		Galactoceles	
[ Galactoceles TGLS = 1-16 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
[ Cyst TGLS = 7-6 ]			
* Preputial Gland		Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100077
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Inflammation	Mild
* Skin		
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND		
* Testes	Bilateral, Interstit Cell	Adenoma
[ Adenoma TGLS = 4,5-14 ]		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 78

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100078

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve	* Prostate
* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Cyst	
		Nephropathy	Moderate
	[ Cyst TGLS = 1,8-8 ]		
	[ Nephropathy TGLS = 6-8 ]		
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
	[ Degeneration TGLS = 7-6 ]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 3-15 ]		
* Skin	Epithelium	Hyperplasia	Mild
		Squamous Cell Carcinoma	
	[ Hyperplasia TGLS = 5-16.1 ]		
	[ Squamous Cell Carcinoma TGLS = 4-16 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 78	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100078

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 2-14.1 ]		
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 79

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100079

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric	* Nose	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 6-8 ]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lymph Node	Mandibular	Ectasia	Moderate
* Mammary Gland		Galactocele	
[ Galactocele TGLS = 1-16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Moderate
		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-15.1 ]			
* Prostate		Inflammation	Moderate
* Skin		Keratoacanthoma	
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
[ Keratoacanthoma TGLS = 7-16.1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100079
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Fibrosis TGLS = 5-2 ]		Fibrosis	Mild
* Testes [ Adenoma TGLS = 3-14 ] [ Atrophy TGLS = 4-14 ]	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Mild Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 80

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100080

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
	[ Hyperplasia TGLS = 7-5 ]		
* Kidney		Nephropathy	Moderate
	[ Nephropathy TGLS = 6-8 ]		
* Liver		Degeneration	Cystic, Minimal
	[ Vacuolization Cytoplasmic TGLS = 8-6 ]	Vacuolization Cytoplasmic	Mild
* Lymph Node			
	Note: TGL # 05 - NOTED GROSSLY AS LYMPH NODE, MESENTERIC WAS MESENTERY		
Mesentery		Polyarteritis	Moderate
	[ Polyarteritis TGLS = 5-5 ]		
* Pancreas	Acinus	Atrophy	Mild
	Artery, Media	Hypertrophy	Moderate
* Preputial Gland		Carcinoma	
	[ Carcinoma TGLS = 1-15.1 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 3-15 ]		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 80	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100080
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Fibrosis TGLS = 4-2 ]		Fibrosis	Marked
* Testes [ Adenoma TGLS = 2-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 81

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100081

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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 - Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 7-8 ]			
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1,2-16.2+16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6.1 ]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Skin			

Note: TGL # 01 & 02 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100081
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[ Adenoma TGLS = 5-14 ] [ Atrophy TGLS = 4-14 ]			
* Thymus	Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT		
* Thyroid Gland	Follicle	Cyst	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 82

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100082

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Malignant	
	[ Pheochromocytoma Malignant TGLS = 7-11 ]		
* Eye			
	Note: TGL # 08 - NO MICROSCOPIC CORRELATE		
* Heart		Cardiomyopathy	Mild
* Intestine Small	Jejunum	Leiomyoma	
	[ Leiomyoma TGLS = 9-4 ]		
* Kidney		Nephropathy	Mild
	[ Nephropathy TGLS = 10-8 ]		
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
		Fibrous Histiocytoma	Metastatic (Skin)
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
	[ Fibrous Histiocytoma TGLS = 12-6 ]		
	[ Hyperplasia TGLS = 11-6 ]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Preputial Gland		Inflammation	Mild
	[ Inflammation TGLS = 2-15 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 82	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100082
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 6-15 ]	Decreased Secretory Fluid	Mild
* Skeletal Muscle	Fibrous Histiocytoma	Metastatic (Skin)
* Skin [ Fibrous Histiocytoma TGLS = 1-16 ]	Fibrous Histiocytoma	
* Spleen Note: TGL # 05 - NO MICROSCOPIC CORRELATE		
* Testes [ Adenoma TGLS = 3,4-14 ]	Bilateral, Interstit Cell Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 83

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100083

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Medulla	Hyperplasia	Mild
* Epididymis		Atrophy	Mild
		Inflammation	Chronic, Mild
* Heart	Myocardium	Infarct	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 11-6 ]			
* Mammary Gland		Hyperplasia	Mild
[ Hyperplasia TGLS = 1,2-16+16.1 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 8-6 ]			
* Preputial Gland		Inflammation	Moderate
[ Inflammation TGLS = 3-15.1 ]			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 7-15+15.2 ]			
* Skin	Foot	Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100083

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Inflammation TGLS = 9,10-16.2+16.3 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 6-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 4,5-14.1 ]			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 84

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100084

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 7-8 ]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 10-6 ]			
* Lymph Node	Mesenteric	Ectasia	Mild
[ Ectasia TGLS = 9-5.1 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-16 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 8-6 ]			
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15.1 ]			
* Prostate		Inflammation	Mild
[ Inflammation TGLS = 6-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 5-15 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100084
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Skin Note: TGL # 02 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-2 ]		Hematopoietic Cell Proliferation	Mild
* Testes [ Adenoma TGLS = 4-14 ]	Bilateral, Interstit Cell	Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 85

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100085

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Heart	Atrium	Thrombosis	
[ Thrombosis TGLS = 6-3 ]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Moderate
[ Hyperplasia TGLS = 4-6 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 8-6.1 ]			
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15.1 ]			
* Prostate		Inflammation	Mild
* Spleen		Infarct	
[ Infarct TGLS = 9-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 85	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100085
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus [ Hyperplasia TGLS = 7-3.1 ]	Epithel Cell	Hyperplasia	Mild
* Thyroid Gland  Note: PATHOLOGIST NOTED: HYPERPLASIA LOCATED ON SLIDE # 6.1R [ Adenoma TGLS = 5-6.1 ]	Follicular Cel C Cell	Adenoma Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 86

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100086

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Nose	* Pancreas
* Peripheral Nerve	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Moderate
[ Hepatodiaphragmatic Nodule TGLS = 4-6 ]			
[ Vacuolization Cytoplasmic TGLS = 5-6 ]			
* Lymph Node	Mesenteric	Ectasia	Moderate
[ Ectasia TGLS = 6-5 ]			
* Mammary Gland		Galactoceles	
[ Galactoceles TGLS = 1-16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Preputial Gland		Inflammation	Moderate
[ Inflammation TGLS = 2-15 ]			
* Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 86	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100086
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Salivary Glands		Atrophy	Mild
* Skin			
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Stomach			
Note: TGL # 07 - NO MICROSCOPIC CORRELATE			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Moderate
* Thymus			
Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT			

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PRIMARY CAUSE OF DEATH

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Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND-METAPLASIA,MILD ON SLIDE # 13

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 87

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 714

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100087

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
* Coagulating Gland		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 4-15 ]		
* Eye	Retina	Autolysis	
	Bilateral	Cataract	Mild
* Intestine Small	Jejunum, Lymphoid Tiss	Hyperplasia	Mild
	[ Hyperplasia TGLS = 9-4 ]		
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 7-6 ]		
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 10-7 ]		
* Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 8,12-3+5 ]		
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Adenoma	
	[ Adenoma TGLS = 1-15 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 714 <b>HISTO:</b> 21280100087
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate [ Decreased Secretory Fluid TGLS = 5-15 ]		Decreased Secretory Fluid	Mild
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 3-15 ]		Decreased Secretory Fluid	Mild
* Spleen [ Leukemia Mononuclear TGLS = 6-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 2-14 ] [ Atrophy TGLS = 11-14 ]	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
* Thymus Note: TGL # 08 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL			

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 88

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100088

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Brain [ Compression TGLS = 10-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Ear [ Neural Crest Tumor TGLS = 8-16 ]	Pinna	Neural Crest Tumor	
* Heart		Cardiomyopathy	Moderate
* Kidney [ Nephropathy TGLS = 7-8 ]		Nephropathy	Moderate
* Liver [ Leukemia Mononuclear TGLS = 6-6 ]	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [ Galactocele TGLS = 1-16.1 ]	Duct	Dilatation Galactocele	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [ Adenoma TGLS = 9-6 ]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Prostate	Ventral	Hyperplasia	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 88

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100088

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Decreased Secretory Fluid TGLS = 4-15 ]

\* Skin

Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

\* Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 5-2 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

Note: TGL # 03 - NO MICROSCOPIC CORRELATE

[ Adenoma TGLS = 2-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 89

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100089

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
[ Hyperplasia TGLS = 9-6 ]			
* Lymph Node	Mesenteric	Ectasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-6 ]			
* Preputial Gland		Adenoma	
		Inflammation	Mild
[ Adenoma TGLS = 1-15.1 ]			
[ Inflammation TGLS = 2-15.1 ]			
* Prostate		Inflammation	Mild
[ Inflammation TGLS = 5-15 ]			
* Skin		Fibroma	
[ Fibroma TGLS = 3-5.1 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 6-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100089
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach			
Note: TGL # 08 - NO MICROSCOPIC CORRELATE			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[ Adenoma TGLS = 4-14 ]			
* Thymus		Ectopic Parathyroid Gland	Moderate
* Thyroid Gland	C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 90	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100090

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 4-8 ]			
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 3-6 ]			
* Preputial Gland		Inflammation	Moderate
[ Inflammation TGLS = 1-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-14 ]			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 91

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100091

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Galactoceles	
		Hyperplasia	Mild
[ Galactoceles TGLS = 1-5.1 ]			
* Nose	Respiratory Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Minimal
[ Adenoma TGLS = 2-14 ]			
* Thyroid Gland	C Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 91

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100091

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 92	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100092
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
* Lymph Node	Mandibular	Ectasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-6 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 5-15 ]		
* Skin		Keratoacanthoma	
	[ Keratoacanthoma TGLS = 1-5.1 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2,3-14 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 93

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100093

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 6-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Ectasia	Moderate
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[ Ectasia TGLS = 1-13 ]		
	[ Leukemia Mononuclear TGLS = 3-2 ]		
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
* Prostate	Ventral	Hyperplasia	Minimal
* Saliv Glands			

Note: TGL # 01 - NOTED GROSSLY AS SALIVARY GLAND WAS LYMPH NODE,MANDIBULAR

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100093
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 5-15 ]		Decreased Secretory Fluid	Mild
* Skin [ Inflammation TGLS = 7-5.1 ]	Foot	Inflammation	Chronic, Mild
* Spleen [ Leukemia Mononuclear TGLS = 2-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 4-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 94

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100094

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Benign	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
[ Hyperplasia TGLS = 8-5 ]			
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
Note: PATHOLOGIST NOTED: TGL # 07 WAS DILATED VESSELS - WITHIN NORMAL LIMITS			
Note: TGL # 07 - NO MICROSCOPIC CORRELATE			
[ Hepatocellular Adenoma TGLS = 5-6 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: TGL # 06 - NO MICROSCOPIC CORRELATE			
* Preputial Gland		Inflammation	Mild
[ Inflammation TGLS = 1-15 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 94	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100094
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
[ Adenoma TGLS = 2-14 ]			
[ Atrophy TGLS = 3-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 95                      **TRT#:** 2                      **SEX:** Male                      **DAY ON TEST:** 725  
**DOSE:** 91 PPM                      **DISP:** Terminal Sacrifice                      **HISTO:** 21280100095

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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 - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Eye		Cataract	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 3-8 ]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 5-6 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[ Infiltration Cellular TGLS = 9-7 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Angiectasis	Minimal
[ Angiectasis TGLS = 6-6.1 ]			
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 4-15 ]			
* Skin		Fibroma	
[ Fibroma TGLS = 7-5.1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100095

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 1-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma
[ Adenoma TGLS = 2-14 ]		
* Thyroid Gland	C Cell	Carcinoma
[ Carcinoma TGLS = 8-6.1 ]		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 96

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100096

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**INSUFFICIENT TISSUE**

\* Adrenal Gland - Medulla

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
[ Nephropathy TGLS = 8-8 ]			
* Liver	Bile Duct	Eosinophilic Focus Hyperplasia Leukemia Mononuclear Vacuolization Cytoplasmic	Multiple Moderate Mild
[ Hyperplasia TGLS = 9-6 ]			
[ Leukemia Mononuclear TGLS = 10-6 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
[ Infiltration Cellular TGLS = 2-13 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 5-16 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Infiltration Cellular Pigmentation	Histiocytic, Mild Mild
* Preputial Gland		Adenoma Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100096

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 6-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,4-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 272 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100097

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 6-1 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[ Nephropathy TGLS = 7-8 ]			
* Liver	Bile Duct	Hyperplasia	Moderate
[ Hyperplasia TGLS = 8-6 ]			
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6.1 ]			
* Prostate		Inflammation	Mild
[ Inflammation TGLS = 4-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
Note: TGL # 01 - NO MICROSCOPIC CORRELATE			
[ Adenoma TGLS = 2-14 ]			
* Thyroid Gland	C Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 97

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100097

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100098

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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 - Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Adrenal Gland - Medulla	* Thymus
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**OBSERVATIONS**

* Brain [ Compression TGLS = 7-1 ]	Brain Stem, Hypothalamus	Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney [ Nephropathy TGLS = 4-8 ]		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland [ Galactoceles TGLS = 2-5.2 ]		Galactoceles	
* Nose	Nasolacrimal Duct	Inflammation	Mild
* Pituitary Gland [ Adenoma TGLS = 6-6.1 ]	Pars Distalis	Adenoma	
* Preputial GI Note: TGL # 01 - NOTED GROSSLY AS PREPUTIAL GLAND WAS SKIN			
* Prostate		Inflammation	Mild
* Skin [ Fibrous Histiocytoma TGLS = 5-5.1 ]		Fibrous Histiocytoma Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100098
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Inflammation TGLS = 1-15 ]			
* Testes	Seminif Tub Interstit Cell	Atrophy Hyperplasia	Mild Minimal
[ Atrophy TGLS = 3-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 99	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100099
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Minimal
	[ Eosinophilic Focus TGLS = 5,6-6.1+6 ]		
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
	[ Carcinoma TGLS = 1-5.1 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-6 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
	[ Decreased Secretory Fluid TGLS = 3-15 ]		
* Skin			
	Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-14 ]		

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

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 100

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100100

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 5-8 ]			
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-6 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node	Mesenteric	Ectasia	Mild
* Mammary Gland		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Cyst	
[ Cyst TGLS = 4-6 ]			
* Preputial Gland		Adenoma	
[ Adenoma TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 7-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 230	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 555
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100230

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Preputial Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spinal Cord	Thoracic	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			
* Stomach	Forestomach	Edema	Moderate
	Glandular	Edema	Moderate
[ Edema TGLS = 7-4 ]			
* Testes	Seminif Tub	Atrophy	Moderate
* Thymus		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-3 ]			

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 232      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 555  
**DOSE:** 0 PPM      **DISP:** Moribund      **HISTO:** 21280100232

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 6-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-5 ]		
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Carcinoma	
	[ Carcinoma TGLS = 1-15 ]		
* Prostate		Inflammation	Marked
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2,3-14 ]		
* Thymus		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 7-3 ]		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 232

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 555

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100232

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Preputial Gland Carcinoma

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Animal Note: COD... CONTRIBUTORY-Preputial GI,Carcinoma

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 233

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 558

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100233

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder			

**MISSING**

\* Zymbal's Gland

**AUTO PRECLUDES DIAG.**

\* Intestine Small - Ileum

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
* Eye	Retina	Autolysis	
		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Note: TGL # 04 - NO MICROSCOPIC CORRELATE		
* Lymph Node	Mesenteric	Congestion	Mild
	Note: PATHOLOGIST NOTED: CONGESTION PROBABLY POST MORTEM		
	[ Congestion TGLS = 1-5 ]		
* Mammary Gland	Duct	Dilatation	Moderate
	[ Dilatation TGLS = 2-5.1 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 3-6.1 ]		
* Preputial Gland		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 233

**TRT#:** 2  
**DOSE:** 91 PPM

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

**DAY ON TEST:** 558  
**HISTO:** 21280100233

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Inflammation	Mild
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**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 235

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 596

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100235

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Nose	* Peripheral Nerve	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone	Femur	Sarcoma	Metastatic (Skin)
Note: TGL # 02 - NOTED GROSSLY AS BONE WAS SKIN			
* Epididymis		Sarcoma	Metastatic (Skin)
* Eye		Cataract	Minimal
* Intestine Large	Rectum	Sarcoma	Metastatic (Skin)
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Sarcoma	Metastatic (Skin)
[ Sarcoma TGLS = 3-6.2 ]			
* Lung		Sarcoma	Metastatic (Skin)
* Pancreas		Sarcoma	Metastatic (Skin)
* Parathyroid Gland			
Note: PER PATHOLOGIST NO RECUT			
* Preputial Gland		Sarcoma	Metastatic (Skin)
* Skin		Sarcoma	
[ Sarcoma TGLS = 2-16 ]			
* Spleen		Hyperplasia	Lymphoid, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 235

**TRT#:** 2  
**DOSE:** 91 PPM

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

**DAY ON TEST:** 596  
**HISTO:** 21280100235

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 1-2 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

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PRIMARY CAUSE OF DEATH

- Skin Sarcoma

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Animal Note: COD... PROBABLE-Skin,Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 236

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 592

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100236

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
* Brain	Brain Stem	Leukemia Mononuclear	
	Cerebellum	Leukemia Mononuclear	
	Cerebrum	Leukemia Mononuclear	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Moderate
	[ Hyperplasia TGLS = 9-5 ]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-6.1+6.2 ]		
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-7 ]		
* Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 236	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 592
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 21280100236

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreatic		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6,7,8-16+5+16.1 ]			
* Mammary GI			
Note: PER PATHOLOGIST NO RECUT			
* Parathyroid GI			
Note: PER PATHOLOGIST NO RECUT			
* Prostate	Ventral	Hyperplasia	Mild
		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Thymus		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-3 ]			

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 237

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 604

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100237

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* 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	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**INSUFFICIENT TISSUE**

\* Thyroid Gland

**OBSERVATIONS**

* Epididymis		Mesothelioma Malignant	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Mammary Gland	Duct	Dilatation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-6 ]			
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen		Pigmentation	Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		Mesothelioma Malignant	

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 238

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 615

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100238

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Brain [ Compression TGLS = 5-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Eye [ Cataract TGLS = 3-11 ]	Retina	Cataract Degeneration	Moderate Marked
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver [ Mixed Cell Focus TGLS = 2-6 ]		Mixed Cell Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [ Adenoma TGLS = 4-6 ]	Pars Distalis	Adenoma	
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Skin [ Fibroma TGLS = 1-16 ]		Fibroma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 238

**TRT#:** 1  
**DOSE:** 0 PPM

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

**DAY ON TEST:** 615  
**HISTO:** 21280100238

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 240

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 621

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100240

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus Cerebrum	Compression Hydrocephalus	Moderate Moderate
[ Compression TGLS = 7-1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Intestine Small	Ileum	Leiomyoma	
[ Leiomyoma TGLS = 6-5.1 ]			
* Kidney		Nephropathy	Mild
* Liver		Degeneration Developmental Malformation	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
[ Developmental Malformation TGLS = 5-6 ]			
* Lymph Node	Mesenteric	Hemorrhage	Mild
* Mammary Gland			
Note: PER PATHOLOGIST NO RECUT			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6 ]			
* Preputial Gland		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 240	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 621 <b>HISTO:</b> 21280100240
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Stomach	Forestomach	Edema	Moderate
	Glandular	Edema	Moderate
[ Edema TGLS = 8-4 ]			
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			

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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma  
CONTRIBUTORY CAUSE OF DEATH - Intestine Small Ileum Leiomyoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

Animal Note: COD... CONTRIBUTORY-Intest Small,Leiomyoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 241

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 621

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100241

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**INSUFFICIENT TISSUE**

\* Skin

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
	[ Decreased Secretory Fluid TGLS = 3-15 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-2 ]		
* Stomach	Glandular	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 241

**TRT#:** 3  
**DOSE:** 272 PPM

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

**DAY ON TEST:** 621  
**HISTO:** 21280100241

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes [ Adenoma TGLS = 1,2-14 ]	Bilateral, Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear
* Thyroid Gland	C Cell	Adenoma

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 244      **TRT#:** 2      **SEX:** Male      **DAY ON TEST:** 627  
**DOSE:** 91 PPM      **DISP:** Moribund      **HISTO:** 21280100244

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-6 ]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Mild

**PRIMARY CAUSE OF DEATH**      - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 245

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 630

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100245

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Brain - Brain Stem	* Brain - Cerebellum
* Brain - Cerebrum	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* 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	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Coagulating Gland		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 5-15 ]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Hepatocellular Adenoma TGLS = 8-6 ]		
	[ Leukemia Mononuclear TGLS = 7,9-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 10-5 ]		
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 6-6 ]		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 245	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 630 <b>HISTO:</b> 21280100245
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Preputial Gland	Duct	Ectasia Hyperplasia Inflammation	Moderate Minimal Mild
[ Ectasia TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 4-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
[ Adenoma TGLS = 2-14 ]			
* Thymus		Leukemia Mononuclear	

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 246

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 644

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100246

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Intest Small			
Note: TGL # 08 - NO MICROSCOPIC CORRELATE			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-6.1 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mesenteric	Ectasia	Moderate
	Deep Cervical	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
[ Ectasia TGLS = 6-5 ]			
[ Infiltration Cellular TGLS = 5-16 ]			
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 246	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 644
	<b>DOSE:</b> 272 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100246

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 3-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			
Tooth	Gingiva	Hyperplasia	Moderate
	Gingiva	Inflammation	Mild
[ Hyperplasia TGLS = 9-16.1 ]			
[ Inflammation TGLS = 9-16.1 ]			
* Zymbal's Gland		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 4-13 ]			

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**PRIMARY CAUSE OF DEATH** - Zymbal's Gland Squamous Cell Carcinoma

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Animal Note: TGL # 04 - NOTED GROSSLY AS LACRIMAL GLAND WAS ZYMBALS GLAND  
Animal Note: PATHOLOGIST NOTED: LYMPH NODE,MEDIASTINAL-HYPERPLASIA ON SLIDE # 03  
Animal Note: COD... PROBABLE-Zymbals GI,Squam Cel Carc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 251

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 659

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100251

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Eye			
Note: TGL # 10 - NO MICROSCOPIC CORRELATE			
* Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
		Pigmentation	Moderate
[ Pigmentation TGLS = 5-8 ]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mesenteric	Ectasia	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
[ Fibroadenoma TGLS = 1-16 ]			
* Pancreas	Artery, Media	Hypertrophy	Moderate
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 251	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 659 <b>HISTO:</b> 21280100251
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hypertrophy TGLS = 4-2.1 ]		
* Preputial Gland	Inflammation	Moderate
[ Inflammation TGLS = 2-15.1 ]		
* Seminal Vesicle	Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 7-15 ]		
* Skin		
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND		
* Spleen	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2.1 ]		
* Testes	Bilateral, Interstit Cell	Adenoma
[ Adenoma TGLS = 6-14 ]		
* Thymus	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 9-3 ]		

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 252

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 652

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* 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	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
* Bone Marrow		Atrophy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
[ Nephropathy TGLS = 4-8 ]			
* Liver	Bile Duct	Hyperplasia	Mild
[ Leukemia Mononuclear TGLS = 3-6 ]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-7 ]			
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Mild
[ Inflammation TGLS = 1-15.1 ]			
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 252

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 652

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100252

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 6-14 ]

\* Thymus

Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT

\* Thyroid Gland

Follicle

Cyst

Mild

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PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 254

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 662

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100254

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Mammary Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Bone Marrow		Leukemia Mononuclear	
* Eye	Retina	Autolysis	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 9-8 ]			
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-6.1 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2,7,10,11-5+16+13+16.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Focal, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Moderate
[ Inflammation TGLS = 1-15.1 ]			
* Prostate		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 254

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 662

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100254

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 6-15 ]		Decreased Secretory Fluid	Mild
* Spleen [ Leukemia Mononuclear TGLS = 5-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 3,4-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thymus [ Leukemia Mononuclear TGLS = 12-3 ]		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 256

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 688

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100256

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Lymph Node - Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Malignant	
	[ Pheochromocytoma Malignant TGLS = 6-11 ]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
	Atrium	Thrombosis	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Thoracic	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 7-16 ]		
* Mammary GI			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 256

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 688

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100256

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: PER PATHOLOGIST NO RECUT

* Nose	Nasolacrim Dct	Inflammation	Minimal
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 257

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 689

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100257

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Epididymis	* 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	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

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

* Coagulating Gland		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 8-15 ]			
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
[ Thrombosis TGLS = 7-3 ]			
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Centrilobular	Necrosis	Moderate
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
[ Eosinophilic Focus TGLS = 5-6.1 ]			
[ Necrosis TGLS = 3-6 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocytic, Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Preputial Gland		Atrophy	Mild
		Hyperplasia	Mild
		Inflammation	Minimal
* Prostate		Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 257	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 689
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 21280100257

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 2-15 ]		Decreased Secretory Fluid	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes [ Adenoma TGLS = 1-14 ]	Bilateral, Interstit Cell	Adenoma	

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**PRIMARY CAUSE OF DEATH** - Heart Atrium Thrombosis

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Animal Note: COD... PROBABLE-Heart,Thrombosis

Animal Note: TGL # 06 - NO SECTION TAKEN

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 258

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 698

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100258

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Brain [ Compression TGLS = 2-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Eye	Retina	Autolysis	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Degeneration	Cystic, Mild
		Hyperplasia	Minimal
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-6 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [ Adenoma TGLS = 3-6.1 ]	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
[ Ectasia TGLS = 5-15 ]			
[ Inflammation TGLS = 1-15 ]			
* Prostate		Inflammation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 258	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 698 <b>HISTO:</b> 21280100258
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen		Leukemia Mononuclear	
* Stomach	Forestomach	Edema	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 260

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 694

**DOSE:** 272 PPM

**DISP:** Natural Death

**HISTO:** 21280100260

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Coagulating Gland	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Bone Marrow		Leukemia Mononuclear	
* Brain	Cerebellum	Leukemia Mononuclear	
	Cerebrum	Leukemia Mononuclear	
* Eye	Retina	Autolysis	
* Heart		Leukemia Mononuclear	
* Islets Panc			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 16			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[ Hepatodiaphragmatic Nodule TGLS = 7-6 ]			
[ Leukemia Mononuclear TGLS = 9-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3,8-16+5 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 5-16.1 ]			
* Pancreas		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 260	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 694 <b>HISTO:</b> 21280100260
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland [ Adenoma TGLS = 10-6 ]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 4-15 ]		Decreased Secretory Fluid	Mild
* Spleen [ Leukemia Mononuclear TGLS = 1,2-2+2.1 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 6-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 264

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 705

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100264

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
[ Eosinophilic Focus TGLS = 5-6.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas		Accessory Spleen	
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 4-15 ]			
* Skin		Fibroma	
[ Fibroma TGLS = 1-16.1 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-14 ]			
Tissue NOS	Abdominal, Fat	Necrosis	
[ Necrosis TGLS = 2-16 ]			

**PRIMARY CAUSE OF DEATH**

- Skin Fibroma

Animal Note: COD... PROBABLE-Skin,Fibroma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 265

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 698

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100265

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Pituitary Gland	* Prostate	* Skeletal Muscle
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
[ Hyperplasia TGLS = 6-6 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Hyperplasia	Moderate
[ Ectasia TGLS = 1-15 ]			
[ Hyperplasia TGLS = 1-15 ]			
* Salivary Glands		Fibrous Histiocytoma	
[ Fibrous Histiocytoma TGLS = 5-13 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Skin		Fibroma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 265

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 698

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100265

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Fibroma TGLS = 4-16 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 2-14 ]

\* Thyroid Gland

Fibrous Histiocytoma

\* Trachea

Fibrous Histiocytoma

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**PRIMARY CAUSE OF DEATH**

- Trachea Fibrous Histiocytoma

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Animal Note: COD... PROBABLE-Trachea,Fib Histo

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 269

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 714

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100269

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Intest Small			
Note: TGL # 11 - NO MICROSCOPIC CORRELATE			
* Islets, Pancreatic		Hyperplasia	Minimal
Note: PATHOLOGIST NOTED: LESION LOCATED ON SLIDE # 4.1			
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-6 ]			
* Lung		Hemorrhage	Minimal
[ Hemorrhage TGLS = 4,5,6,7-7.1+7 ]			
[ Leukemia Mononuclear TGLS = 4,5,6,7-7.1+7 ]			
* Lymph Node	Lumbar	Hematopoietic Cell Proliferation	Mild
	Mediastinal	Hemorrhage	Mild
	Mesenteric	Hemorrhage	Mild
	Lumbar	Hyperplasia	Lymphoid, Moderate
	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 269	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 714
	<b>DOSE:</b> 272 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100269

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 9-16 ]  
[ Hemorrhage TGLS = 8,13-5+3 ]  
[ Hyperplasia TGLS = 9,12-16+13 ]  
[ Leukemia Mononuclear TGLS = 13-3 ]

* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2 ]		
* Stomach	Forestomach	Edema	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-14 ]		
* Thymus			
	Note: TGL # 13 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE,MEDIASTINAL		
* Thyroid Gland	C Cell	Adenoma	

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

Animal Note: TGL # 10 - NO MICROSCOPIC CORRELATE (BRONCHIAL,LYMPH NODE)

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 270

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 708

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100270

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Malignant	
	[ Pheochromocytoma Malignant TGLS = 5-11 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Note: TGL # 06 - NO MICROSCOPIC CORRELATE		
* Lymph Node	Mandibular	Ectasia	Mild
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 7-16 ]		
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Carcinoma	
	[ Carcinoma TGLS = 4-15 ]		
* Prostate	Ventral	Hyperplasia	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 270	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 708
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100270

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
[ Adenoma TGLS = 1-14 ]			
[ Atrophy TGLS = 2-14 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
[ Hyperplasia TGLS = 8-6 ]			

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**PRIMARY CAUSE OF DEATH** - Preputial Gland Carcinoma

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Animal Note: COD... PROBABLE-Preputial GI,Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 271

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 716

**DOSE:** 272 PPM

**DISP:** Natural Death

**HISTO:** 21280100271

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebrum	* Coagulating Gland	* Epididymis	* Esophagus
* Intestine Large - Cecum	* Intestine Large - Rectum	* Intestine Small - Ileum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

* Stomach - Forestomach	* Stomach - Glandular
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**AUTO PRECLUDES DIAG.**

* Intestine Large - Colon	* Intestine Small - Duodenum	* Intestine Small - Jejunum
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**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
* Brain	Cerebellum	Leukemia Mononuclear	
Ear	Canal, External Ear	Exudate	Mild
Note: PATHOLOGIST NOTED: EXUDATE IN TGL # 10 WAS MOSTLY KERATIN WITH MINIMAL [ Exudate TGLS = 10-12 ]			
* Eye	Retina	Autolysis	
	Bilateral	Cataract	Mild
* Harderian Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-3 ]			
* Intest Large			
Note: PATHOLOGIST NOTED: RECTUM LOCATED ON SLIDE # 05.2			
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 271	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 716 <b>HISTO:</b> 21280100271
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Renal [ Leukemia Mononuclear TGLS = 1,5-13+16 ]	Leukemia Mononuclear	
Mesentery [ Leukemia Mononuclear TGLS = 9-16 ]	Leukemia Mononuclear	
* Pancreas	Accessory Spleen Leukemia Mononuclear Carcinoma	
* Preputial Gland [ Carcinoma TGLS = 7-5.1 ]		
* Salivary Glands	Leukemia Mononuclear	
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 2-15 ]	Decreased Secretory Fluid	Mild
* Skin Note: TGL # 07 - NOTED GROSSLY AS SKIN WAS PREPUTIAL GLAND		
* Spleen [ Leukemia Mononuclear TGLS = 3-2 ]	Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 4-14 ]	Bilateral, Interstit Cell Adenoma	
* Thymus [ Leukemia Mononuclear TGLS = 6-3 ]	Leukemia Mononuclear	

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:08  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 272

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 715

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Epididymis	* 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
* Nose	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

* Coagulating Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Brain			
Note: TGL # 09 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
	[ Thrombosis TGLS = 7-3 ]		
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Moderate
	[ Vacuolization Cytoplasmic TGLS = 11-6 ]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node	Mesenteric	Ectasia	Moderate
	Mediastinal	Hemorrhage	Mild
	[ Ectasia TGLS = 12-5 ]		
	[ Hemorrhage TGLS = 8-3.1 ]		
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 10-6.1 ]		
* Preputial Gland		Inflammation	Mild
	[ Inflammation TGLS = 1-15 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 272	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 715
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Moribund	<b>HISTO:</b> 21280100272

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 4-15 ]		
* Spleen		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Mild
	[ Angiectasis TGLS = 6-2 ]		
	[ Hematopoietic Cell Proliferation TGLS = 5-2 ]		
* Stomach	Glandular	Erosion	Mild
	Forestomach	Necrosis	Mild
	[ Erosion TGLS = 13-4 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Note: TGL # 02 - NO MICROSCOPIC CORRELATE		
	[ Adenoma TGLS = 3-14 ]		
* Thymus			
	Note: TGL # 14 - NO MICROSCOPIC CORRELATE		
	Note: TGL # 08 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE,MEDIASTINAL		

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**PRIMARY CAUSE OF DEATH** - Heart Atrium Thrombosis

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Animal Note: COD... PROBABLE-Heart,Thrombosis

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 273

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 723

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100273

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 7-1 ]			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 5-6 ]		Vacuolization Cytoplasmic	Mild
[ Vacuolization Cytoplasmic TGLS = 5-6 ]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 8-6 ]			
* Preputial Gland		Inflammation	Mild
[ Inflammation TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 4-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 273

**TRT#:** 1  
**DOSE:** 0 PPM

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

**DAY ON TEST:** 723  
**HISTO:** 21280100273

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland  
[ Carcinoma TGLS = 6-6 ]

C Cell

Carcinoma

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**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 274

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100274

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mesenteric
* Nose	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Brain			
Note: TGL # 06 - NO MICROSCOPIC CORRELATE			
* Eye		Cataract	Minimal
	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 8-8 ]			
* Liver	Bile Duct	Hyperplasia	Minimal
[ Hyperplasia TGLS = 9-6 ]			
* Lymph Node	Mandibular	Ectasia	Mild
* Mammary Gland	Duct	Dilatation	Mild
* Parathyroid Gland			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-6.1 ]			
* Preputial Gland		Inflammation	Moderate
* Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 274

**TRT#:** 1  
**DOSE:** 0 PPM

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

**DAY ON TEST:** 725  
**HISTO:** 21280100274

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Inflammation TGLS = 5-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 4-15 ]			
* Skin		Cyst Epithelial Inclusion	
[ Cyst Epithelial Inclusion TGLS = 1-5.1 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 276

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100276

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 4,5-6 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 2-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-14 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 277

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100277

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Epididymis	* Esophagus
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
* Brain			
Note: TGL # 09 - NO MICROSCOPIC CORRELATE			
* Coagulating Gland		Decreased Secretory Fluid	Moderate
* Eye	Retina	Autolysis	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-6 ]			
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 5-16 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 10-6.1 ]			
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
[ Inflammation TGLS = 2-15 ]			
* Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 277

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100277

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Seminal Vesicle	Decreased Secretory Fluid	Moderate
* Skin [ Keratoacanthoma TGLS = 1-5.1 ]	Keratoacanthoma	
* Spleen [ Leukemia Mononuclear TGLS = 6,7-2 ]	Leukemia Mononuclear	
* Testes Bilateral, Interstit Cell Note: TGL # 03 - NO MICROSCOPIC CORRELATE [ Adenoma TGLS = 4-14 ]	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 278

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100278

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Epididymis		Mesothelioma Malignant	
* Eye	Retina	Degeneration	Minimal
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Hepatodiaphragmatic Nodule TGLS = 7-6 ]		
	[ Hyperplasia TGLS = 6-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mediastinal	Ectasia	Mild
	Mesenteric	Ectasia	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Infiltration Cellular	Plasma Cell, Mild
	[ Ectasia TGLS = 9,13-3+5 ]		
	[ Infiltration Cellular TGLS = 1,13-13+5 ]		
* Mammary Gland	Duct	Dilatation	Mild
Mesentery		Mesothelioma Malignant	
	[ Mesothelioma Malignant TGLS = 8-16.2 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 278	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100278

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Parathyroid Gland Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland [ Adenoma TGLS = 12-6.1 ]	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia Inflammation	Mild Mild
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 5-15 ]		Decreased Secretory Fluid	Mild
* Spleen [ Leukemia Mononuclear TGLS = 2-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 4-14 ] [ Atrophy TGLS = 3-14 ]	Interstit Cell Seminif Tub	Adenoma Atrophy Mesothelioma Malignant	Moderate
* Thymus Note: TGL # 09 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE,MEDIASTINAL			
Tissue NOS Note: TGL # 11 - WAS IN TISSUE IN SCROTAL SAC [ Mesothelioma Malignant TGLS = 11-16.1 ] [ Pigmentation TGLS = 10-16 ]	Pelvic Abdominal	Mesothelioma Malignant Pigmentation	Mild
* Zymbal's Gland		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: TGL # 10 & 11 - NOTED GROSSLY AS ABDOMINAL CAVITY WAS TISSUE NOS

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 279	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100279

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder

**MISSING**

\* Zymbal's Gland

**OBSERVATIONS**

* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Galactoceles	
* Mammary Gland			
[ Galactoceles TGLS = 1-5.1 ]			
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6.1 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[ Ectasia TGLS = 2-15 ]			
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-2 ]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 279

**TRT#:** 1  
**DOSE:** 0 PPM

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

**DAY ON TEST:** 725  
**HISTO:** 21280100279

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3-14 ]

\* Thyroid Gland

C Cell  
Follicular Cel

Hyperplasia  
Hyperplasia

Mild  
Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 280

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100280

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Intestine Small	Jejunum, Lymphoid Tiss	Hyperplasia	Mild
	[ Hyperplasia TGLS = 4-4.1 ]		
* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	[ Cyst TGLS = 3-6 ]		
* Preputial Gland		Atrophy	Mild
		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 2-15 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-14 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 281      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 725  
**DOSE:** 0 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 21280100281

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Medulla	Hyperplasia	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 5-8 ]			
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Moderate
[ Inflammation TGLS = 2-15 ]			
* Prostate		Inflammation	Mild
* Skin	Epidermis	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-5.1 ]			
* Spleen		Stromal Hyperplasia	Moderate
[ Stromal Hyperplasia TGLS = 4-2.1 ]			
* Testes	Interstitial Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 281	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100281
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	Interstit Cell	Hyperplasia Mineralization	Minimal Minimal
[ Adenoma TGLS = 3-14 ] * Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Mild
[ Adenoma TGLS = 6-6 ]			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 282

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100282

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Benign	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Lymph Node	Mesenteric	Ectasia	Moderate
	Mesenteric	Hemorrhage	Moderate
[ Ectasia TGLS = 2-5 ]			
[ Hemorrhage TGLS = 2-5 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin		Lipoma	
[ Lipoma TGLS = 1-5.1 ]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 283

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100283

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea			

**INSUFFICIENT TISSUE**

\* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Malignant	
[ Pheochromocytoma Malignant TGLS = 5-11 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Mild
[ Necrosis TGLS = 7-6 ]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 8-6 ]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Skin	Sebaceous Gl	Adenoma	
[ Adenoma TGLS = 1-5.1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 283	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100283

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Fibrosis TGLS = 6-2 ]		Fibrosis	Mild
* Testes [ Adenoma TGLS = 3-14 ] [ Atrophy TGLS = 2-14 ]	Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
* Urinary Bladder [ Papilloma TGLS = 4-8 ]	Transit Epithe	Papilloma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 284

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100284

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
[ Hyperplasia TGLS = 4-6 ]			
* Mammary GI			
Note: PER PATHOLOGIST NO RECUT			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Spleen		Fibrosis	Marked
[ Fibrosis TGLS = 1-2 ]			
* Testes	Seminif Tub	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 284	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100284
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 285

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100285

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder

**MISSING**

\* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large	Cecum, Lymphoid Tiss	Hyperplasia	Mild
[ Hyperplasia TGLS = 8-5.1 ]			
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 7-6 ]			
* Lymph Node	Mandibular	Ectasia	Moderate
[ Ectasia TGLS = 1-13 ]			
* Pancreas			
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 285

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100285

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Decreased Secretory Fluid TGLS = 6-15 ]

\* Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 4-2 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

Note: TGL # 03 - NO MICROSCOPIC CORRELATE

[ Adenoma TGLS = 2-14 ]

\* Thyroid Gland

C Cell

Adenoma

\* Zymbals GI

Note: PATHOLOGIST NOTED: MISSING ON RECUT

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 286

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100286

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Peripheral Nerve	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	

**MISSING**

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

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 5-6 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[ Ectasia TGLS = 1-15 ]			
[ Inflammation TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 4-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 286

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100286

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 287

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100287

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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 - Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 3,4-6 ]			
[ Leukemia Mononuclear TGLS = 3,4-6 ]			
* Lymph Node	Mandibular	Ectasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 288

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100288

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Benign	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[ Nephropathy TGLS = 4-8 ]			
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[ Degeneration TGLS = 9-6 ]		Leukemia Mononuclear	
[ Eosinophilic Focus TGLS = 8-6 ]			
* Lung	Mediastinum	Hemorrhage	Mild
* Lymph Node			
Note: TGL # 02 - NO MICROSCOPIC CORRELATE			
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland	Duct	Ectasia	Moderate
		Hyperplasia	Mild
[ Ectasia TGLS = 1-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 288	<b>TRT#:</b> 2 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100288
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Ventral	Hyperplasia	Mild
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 7-15 ]		Decreased Secretory Fluid	Mild
* Spleen [ Leukemia Mononuclear TGLS = 3-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 6-14 ] [ Atrophy TGLS = 5-14 ]	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 289

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100289

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 4-1 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 3-8 ]			
* Liver	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6.1 ]			
* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Stomach	Epithelium, Forestomach	Hyperplasia	Mild
	Forestomach	Inflammation	Mild
[ Hyperplasia TGLS = 6-4 ]			
[ Inflammation TGLS = 6-4 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 290

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100290

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
Note: PATHOLOGIST NOTED: ADJACENT MUSCLE MAY HAVE ACCOUNTED FOR GROSS APPEARANCE			
[ Hyperplasia TGLS = 1-5.2 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 290

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100290

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus

Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT

\* Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 291

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* 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	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Benign	
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 3-8 ]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
[ Hyperplasia TGLS = 10-7.1 ]			
* Lymph Node	Axillary	Hyperplasia	Lymphoid, Mild
	Lumbar	Hyperplasia	Lymphoid, Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 1,4,7-13+16.1+16.2+16 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 6-15 ]			
* Skeletal Muscle	Fiber, Mandibular	Hypertrophy	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 291	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100291
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hypertrophy TGLS = 9-11.1 ] [ Proliferation TGLS = 9-11.1 ]	Arteriole, Mandibular	Proliferation	
* Spleen [ Leukemia Mononuclear TGLS = 2-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 5-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thymus [ Leukemia Mononuclear TGLS = 8-3 ]		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 292

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100292

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex Medulla	Hyperplasia Leukemia Mononuclear	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 8-6 ]		
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	[ Cyst TGLS = 9-6 ]		
* Preputial Gland		Adenoma Inflammation	Mild
	[ Adenoma TGLS = 1-15 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 6-15 ]		
* Skin		Fibroma	
	[ Fibroma TGLS = 2,3-5.2+5.1 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 7-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 292

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100292

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 4,5-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 293      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 725  
**DOSE:** 272 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 21280100293

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Esophagus	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder

**MISSING**

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

* Epididymis		Mesothelioma Malignant	
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
		Mesothelioma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 293

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100293

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 2-14 ]

[ Atrophy TGLS = 1-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 294      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 725  
**DOSE:** 272 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 21280100294

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric
* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 7-6 ]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
[ Hyperplasia TGLS = 9-7.1 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Note: TGL # 08 - NO MICROSCOPIC CORRELATE (MEDIASTINAL, LYMPH NODE-NORMAL)			
[ Infiltration Cellular TGLS = 2-13 ]			
Mesentery		Accessory Spleen	
[ Accessory Spleen TGLS = 3-16 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
[ Ectasia TGLS = 1-15 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 294	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 272 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100294

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Inflammation TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 6-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 4,5-14 ]			
* Thymus			
Note: TGL # 08 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 295

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100295

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Eye	Bilateral, Retina	Cataract Degeneration	Moderate Marked
[ Cataract TGLS = 4-11 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
[ Eosinophilic Focus TGLS = 5-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 3-7 ]			
* Mammary GI			
Note: PER PATHOLOGIST NO RECUT			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 295	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100295
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Ventral	Hyperplasia	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Testes [ Adenoma TGLS = 1-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland Note: TGL # 02 - NO MICROSCOPIC CORRELATE	Follicle	Cyst	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 296

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100296

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
	[ Eosinophilic Focus TGLS = 6-6 ]		
	[ Hyperplasia TGLS = 7-6 ]		
* Lung		Sarcoma	Metastatic (Skin)
	[ Sarcoma TGLS = 8-7 ]		
* Pituitary Gland	Pars Distalis	Cyst	
	[ Cyst TGLS = 5-6 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
	[ Decreased Secretory Fluid TGLS = 4-15 ]		
* Skin		Sarcoma	
	[ Sarcoma TGLS = 1-16 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2,3-14 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 296

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100296

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 297

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100297

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Mild
	[ Hyperplasia TGLS = 5-6 ]		
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Artery	Inflammation	Chronic, Mild
	Note: PATHOLOGIST NOTED: INFLAMMATION LOCATED ON SLIDE # 04		
* Preputial Gland		Inflammation	Mild
	[ Inflammation TGLS = 1-15 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 4-15 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
	[ Hematopoietic Cell Proliferation TGLS = 3-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-14 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 297

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100297

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 298

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100298

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Eye	Bilateral Bilateral, Retina	Cataract Degeneration	Minimal Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 6-8 ]			
* Liver		Degeneration Eosinophilic Focus	Cystic, Mild Multiple
	Bile Duct	Hyperplasia Vacuolization Cytoplasmic	Mild Minimal
[ Degeneration TGLS = 7,8-6 ]			
[ Eosinophilic Focus TGLS = 7,8-6 ]			
* Pancreas	Artery	Inflammation	Chronic, Moderate
[ Inflammation TGLS = 4-2 ]			
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland	Duct	Ectasia Inflammation	Moderate Moderate
[ Ectasia TGLS = 1-15 ]			
[ Inflammation TGLS = 1-15 ]			
* Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 298	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100298

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Seminal Vesicle		Atrophy	Moderate
		Decreased Secretory Fluid	Moderate
* Spleen		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 5-2 ]			
* Stomach	Epithelium, Forestomach	Hyperplasia	Mild
	Forestomach	Inflammation	Mild
[ Hyperplasia TGLS = 9-4 ]			
[ Inflammation TGLS = 9-4 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 299

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100299

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Eye	Bilateral, Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Mild
[ Hyperplasia TGLS = 6,7-6 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[ Ectasia TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,4-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 299

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100299

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 300

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100300

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 2-8 ]			
* Liver	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 5-6 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 6-16 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Spleen			
Note: TGL # 01 - NO MICROSCOPIC CORRELATE			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,4-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 300

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100300

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 301

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100301

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
Note: TGL # 04 - NOTED GROSSLY AS LEFT WAS DIAPHRAGMATIC LOBE			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
[ Alveolar/Bronchiolar Adenoma TGLS = 4-7 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Parathyroid Gland			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			
* Preputial Gland		Adenoma	
	Duct	Ectasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 301	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100301
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 1-15.1 ]		Inflammation	Mild
* Prostate		Inflammation	Mild
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 5-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 302

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100302

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Eye			
Note: TGL # 08 - NO MICROSCOPIC CORRELATE			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[ Nephropathy TGLS = 3-8 ]			
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 7-6 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
[ Infiltration Cellular TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 6-15 ]			
* Spleen		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 2-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 302

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100302

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 4,5-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 303

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100303

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Islets, Pancreatic	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Intestine Small	Jejunum	Diverticulum	
[ Diverticulum TGLS = 8-4 ]			
* Kidney		Nephropathy	Mild
[ Nephropathy TGLS = 5-8 ]			
* Liver		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
[ Hepatocellular Adenoma TGLS = 9-6.1 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 7-7.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Artery	Inflammation	Chronic, Marked
[ Inflammation TGLS = 4-2 ]			
* Pituitary Gland	Pars Intermed	Cyst	
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
[ Ectasia TGLS = 1-15 ]			
[ Inflammation TGLS = 1-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 303

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100303

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 6-15 ]		Decreased Secretory Fluid	Mild
* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-2 ] [ Hyperplasia TGLS = 3-2 ]		Fibrosis Hematopoietic Cell Proliferation Hyperplasia	Minimal Mild Lymphoid, Mild
* Testes [ Adenoma TGLS = 2-14 ]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 304      **TRT#:** 4      **SEX:** Male      **DAY ON TEST:** 725  
**DOSE:** 543 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 21280100304

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Lung
* Lymph Node - Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
[ Eosinophilic Focus TGLS = 8-6 ]			
[ Hyperplasia TGLS = 9-6.1 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Mild
		Hyperplasia	Mild
		Inflammation	Moderate
[ Ectasia TGLS = 3-15 ]			
[ Inflammation TGLS = 3-15 ]			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Skin		Basal Cell Adenoma	
		Cyst	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 304	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100304

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	Epidermis	Hyperplasia	Moderate
	[ Basal Cell Adenoma TGLS = 1-16.1 ]		
	[ Cyst TGLS = 2-16 ]		
	[ Hyperplasia TGLS = 7-16.2 ]		
* Spleen			
Note: TGL # 06 - NO MICROSCOPIC CORRELATE			
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 4-14 ]		

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PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 02 - NOTED GROSSLY AS MESENTERY WAS SKIN

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 305

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100305

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 5-8 ]			
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
* Mammary Gland	Duct	Dilatation	Mild
		Galactocele	
		Hyperplasia	Mild
[ Dilatation TGLS = 1,2-5.1+5.2 ]			
[ Galactocele TGLS = 3-5.3 ]			
[ Hyperplasia TGLS = 4-5.4 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 306

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100306

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Eosinophilic Focus	
	[ Hyperplasia TGLS = 4-6 ]	Hyperplasia	Mild
* Preputial Gland		Atrophy	Mild
		Inflammation	Mild
* Prostate	Ventral	Hyperplasia	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 3-15 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	[ Adenoma TGLS = 2-14 ]		
	[ Atrophy TGLS = 1-14 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 307      **TRT#:** 2      **SEX:** Male      **DAY ON TEST:** 719  
**DOSE:** 91 PPM      **DISP:** Moribund      **HISTO:** 21280100307

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Coagulating Gland
* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Brain	Cerebrum	Astrocytoma Malignant	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Moderate
* Lung		Fibrous Histiocytoma	Metastatic (Skin)
* Lymph Node	Renal	Hemorrhage	Mild
	Renal	Hyperplasia	Lymphoid, Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
		[ Hemorrhage TGLS = 3-16 ]	
		[ Hyperplasia TGLS = 3-16 ]	
* Mammary GI			
		Note: PER PATHOLOGIST NO RECUT	
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
		[ Decreased Secretory Fluid TGLS = 2-15 ]	
* Skin		Fibrous Histiocytoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 307

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 719

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100307

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Fibrous Histiocytoma TGLS = 1-5.1 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 5-14 ]

\* Thymus

Fibrous Histiocytoma

\* Thyroid Gland

C Cell

Carcinoma

[ Carcinoma TGLS = 4-6 ]

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PRIMARY CAUSE OF DEATH

- Skin Fibrous Histiocytoma

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Animal Note: PATHOLOGIST NOTED: LYMPH NODE,MEDIASTINAL-FIBROUS HISTIOCYTOMA ON SLIDE # 03

Animal Note: COD... PROBABLE-Skin,Fib Histic

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 308

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 719

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100308

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* 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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
[ Compression TGLS = 6-1 ]			
* Epididymis		Granuloma Sperm	Moderate
[ Granuloma Sperm TGLS = 4-14.1 ]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus	Multiple
	Alveolus	Hyperplasia	Minimal
* Lung	Duct	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Acinus	Dilatation	Mild
* Pancreas	Pars Distalis	Atrophy	Mild
* Pituitary Gland		Adenoma	
[ Adenoma TGLS = 1-6 ]			
* Preputial Gland		Inflammation	Moderate
[ Inflammation TGLS = 2-15 ]			
* Prostate		Inflammation	Moderate
[ Inflammation TGLS = 5-15 ]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[ Adenoma TGLS = 3-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 308

**TRT#:** 2  
**DOSE:** 91 PPM

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

**DAY ON TEST:** 719  
**HISTO:** 21280100308

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 309

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100309

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 7-8 ]			
* Liver	Bile Duct	Hyperplasia	Moderate
[ Hyperplasia TGLS = 12-6.1 ]		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8,9,10,11,13,14,15-6+6.1+6.2 ]			
* Lymph Node	Mesenteric	Hemorrhage	Mild
	Renal	Hemorrhage	Mild
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[ Hemorrhage TGLS = 5,6-16+5 ]			
[ Leukemia Mononuclear TGLS = 5,6-16+5 ]			
* Mammary GI			
Note: PER PATHOLOGIST NO RECUT			
* Pancreas	Acinus	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 309

**TRT#:** 1  
**DOSE:** 0 PPM

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

**DAY ON TEST:** 722  
**HISTO:** 21280100309

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Preputial Gland		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			
* Testes	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
[ Atrophy TGLS = 1-14 ]			

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: TGL # 04 - NO SECTION TAKEN

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 310

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 723

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100310

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large - Rectum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

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

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

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
* Eye	Retina Bilateral	Autolysis Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Mammary Gland			
Note: PER PATHOLOGIST NO RECUT			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Parathyroid Gland			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			
* Preputial Gland		Adenoma	
* Prostate		Inflammation	Mild
* Spleen		Fibrosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 310	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 723 <b>HISTO:</b> 21280100310
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Fibrosis TGLS = 3-2 ]			
* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
[ Adenoma TGLS = 1-14 ]			

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**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 311

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100311

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Epididymis
* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Coagulating Gland

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 6-11 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
[ Leukemia Mononuclear TGLS = 7-6 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Skin		Fibroma	
[ Fibroma TGLS = 3-5.1 ]			
* Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 311

**TRT#:** 1  
**DOSE:** 0 PPM

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

**DAY ON TEST:** 725  
**HISTO:** 21280100311

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 4-2 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 1,2-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 312

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100312

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum	Leiomyoma	
[ Leiomyoma TGLS = 6-5 ]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 5-15.1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-2 ]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 312

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100312

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3-14 ]

[ Atrophy TGLS = 2-14 ]

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**PRIMARY CAUSE OF DEATH**

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Animal Note: PATHOLOGIST NOTED: LYMPH NODE,MEDIASTINAL-HYPERPLASIA ON SLIDE # 03

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 313      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 725  
**DOSE:** 0 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 21280100313

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

* Adrenal Gland - Medulla	* Parathyroid Gland
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**OBSERVATIONS**

* Intestine Small [ Hyperplasia TGLS = 5-4 ]	Ileum, Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[ Ectasia TGLS = 1-15 ]			
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 4-15 ]		Decreased Secretory Fluid	Mild
* Spleen		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 2,3-14 ]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 314

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100314

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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 - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Mild
* Eye	Cornea	Edema	
[ Edema TGLS = 10-11 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 5-8 ]			
* Liver	Bile Duct	Hyperplasia	Marked
[ Leukemia Mononuclear TGLS = 7,8-6 ]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 4,9-2+16 ]		Infiltration Cellular	Plasma Cell, Mild
[ Infiltration Cellular TGLS = 2-16.1 ]			
* Pancreas	Acinus	Atrophy	Mild

Note: TGL # 04 - NOTED GROSSLY AS PANCREAS WAS LYMPH NODE, PANCREATIC

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 314	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100314
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Preputial Gland [ Adenoma TGLS = 1-15 ]		Adenoma	
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 11-15 ]		Decreased Secretory Fluid	Mild
* Spleen [ Leukemia Mononuclear TGLS = 3-2 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 6-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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Animal Note: PATHOLOGIST NOTED: LYMPH NODE,MEDIASTINAL-ECTASIA ON SLIDE # 03

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 315

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100315

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland			
Note: TGL # 01 - NOTED GROSSLY AS MAMMARY GLAND WAS SKIN			
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Mild
	[ Ectasia TGLS = 6-15 ]		
	[ Inflammation TGLS = 6-15 ]		
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 4-15 ]		
* Skin		Lipoma	
	[ Lipoma TGLS = 1-5.2 ]		
* Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 316

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100316

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
	[ Vacuolization Cytoplasmic TGLS = 5,6-6 ]		
* Lymph Node	Mesenteric	Ectasia	Mild
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-16 ]		
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
	[ Ectasia TGLS = 1-15 ]		
	[ Inflammation TGLS = 1-15 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 4-15 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-14 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 317

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100317

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 4-11 ]			
* Harderian Gland		Hyperplasia	Mild
		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 2-6 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Preputial Gland	Duct	Ectasia	Marked
		Inflammation	Moderate
[ Ectasia TGLS = 1-15.1 ]			
[ Inflammation TGLS = 1-15.1 ]			
* Prostate		Inflammation	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 317

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100317

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3-6 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 318

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 724

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100318

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Brain - Brain Stem	* Brain - Cerebellum
* Brain - Cerebrum	* Coagulating 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 - Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Mild
	[ Pheochromocytoma Benign TGLS = 3-11 ]		
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Epididymis		Sarcoma	Metastatic (Skin)
	[ Sarcoma TGLS = 2-14 ]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Lung		Granuloma	Minimal
* Lymph Node	Mandibular	Ectasia	Mild
* Mammary Gland			
	Note: TGL # 07 - NOTED GROSSLY AS MAMMARY GLAND WAS SKIN		
Penis		Thrombosis	Moderate
	[ Thrombosis TGLS = 4-15 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Sarcoma	Metastatic (Skin)
* Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 318	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 724
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 21280100318

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Inflammation TGLS = 9-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 6-15 ]			
* Skin		Sarcoma	
		Squamous Cell Papilloma	
[ Sarcoma TGLS = 7-5.1 ]			
[ Squamous Cell Papilloma TGLS = 8-10.1 ]			
* Spleen		Infarct	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[ Adenoma TGLS = 1-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hyperplasia	Marked
[ Hyperplasia TGLS = 10-6.1 ]			
* Urinary Bladder		Inflammation	Moderate
[ Inflammation TGLS = 5-8 ]			

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**PRIMARY CAUSE OF DEATH** - Skin Sarcoma

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Animal Note: TGL # 08 - NOTED GROSSLY AS TOOTH WAS TISSUE NOS

Animal Note: COD... PROBABLE-Skin,Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 319

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100319

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 6-6 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Skin		Sarcoma	
[ Sarcoma TGLS = 5-5.1 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 2-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Thymus			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 319

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100319

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 04 - NO MICROSCOPIC CORRELATE

\* Thyroid Gland

C Cell

Adenoma

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 320

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100320

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Eye	Retina	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		[ Eosinophilic Focus TGLS = 4-6 ]	
		[ Hyperplasia TGLS = 5-6 ]	
* Lymph Node	Renal	Hemorrhage	Mild
	Renal	Infiltration Cellular	Histiocytic, Diffuse, Moderate
		[ Hemorrhage TGLS = 3-16 ]	
		[ Infiltration Cellular TGLS = 3-16 ]	
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		Note: TGL # 01 - NO MICROSCOPIC CORRELATE	
		[ Adenoma TGLS = 2-14 ]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 321

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100321

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* 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	* Mammary Gland	* Nose	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 2,4-6 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Preputial Gland		Inflammation	Mild
[ Inflammation TGLS = 1-15 ]			
* Prostate		Inflammation	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 322

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100322

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Medulla	Hyperplasia	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[ Eosinophilic Focus TGLS = 3,4-6+6.1 ]			
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 2-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-14 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 323

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100323

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large - Cecum	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Brain [ Compression TGLS = 6-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large [ Hyperplasia TGLS = 11-4 ]	Colon, Lymphoid Tiss	Hyperplasia	Mild
* Intestine Small [ Hyperplasia TGLS = 10-5 ]	Ileum	Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver [ Hyperplasia TGLS = 8,9-6.1 ]	Bile Duct	Eosinophilic Focus Hyperplasia Vacuolization Cytoplasmic	Multiple Mild Minimal
* Lymph Node [ Infiltration Cellular TGLS = 2-13 ]	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland [ Adenoma TGLS = 7-6 ]	Pars Distalis	Adenoma	
* Preputial Gland [ Ectasia TGLS = 1-15 ]	Duct	Ectasia Inflammation	Mild Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 323

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100323

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Inflammation TGLS = 1-15 ]

\* Prostate Inflammation Moderate

\* Seminal Vesicle Decreased Secretory Fluid Mild

[ Decreased Secretory Fluid TGLS = 5-15 ]

\* Testes Bilateral, Interstit Cell Adenoma

Note: TGL # 04 - NO MICROSCOPIC CORRELATE

[ Adenoma TGLS = 3-14 ]

\* Zymbal's Gland Hyperplasia Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 324

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100324

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large - Cecum	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lymph Node - Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Peripheral Nerve

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Large	Colon, Lymphoid Tiss	Hyperplasia	Moderate
[ Hyperplasia TGLS = 10-4 ]			
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 4-8 ]			
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 6-7.1 ]		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Note: TGL # 05 - NO MICROSCOPIC CORRELATE (MEDIASTINAL, LYMPH NODE-NORMAL)			
Note: PATHOLOGIST NOTED: TGL # 05 WAS LYMPH NODE, MEDIASTINAL ENGORGED WITH BLOOD.			
* Perph Nerve			
Note: PER PATHOLOGIST NO RECUT			
* Preputial Gland	Duct	Ectasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 324

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100324

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Ectasia TGLS = 3-15 ] [ Inflammation TGLS = 3-15 ]		Inflammation	Moderate
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 2-15 ]		Decreased Secretory Fluid	Moderate
* Spleen [ Hyperplasia TGLS = 7-2 ]		Hyperplasia	Lymphoid, Mild
* Stomach Note: TGL # 08 - NO MICROSCOPIC CORRELATE [ Edema TGLS = 9-4 ]	Forestomach	Edema	Moderate
* Testes [ Adenoma TGLS = 1-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thymus Note: TGL # 05 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 325

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100325

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-6 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
	Duct	Carcinoma	
		Ectasia	Moderate
		Inflammation	Moderate
[ Adenoma TGLS = 1-15 ]			
[ Carcinoma TGLS = 2-15 ]			
[ Ectasia TGLS = 1-15 ]			
[ Inflammation TGLS = 1-15 ]			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 325

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100325

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 04 - NO MICROSCOPIC CORRELATE  
[ Adenoma TGLS = 3-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 326

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100326

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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 - Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hepatodiaphragmatic Nodule TGLS = 5-16 ]			
[ Hyperplasia TGLS = 7-6 ]			
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 2-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[ Ectasia TGLS = 1-15 ]			
[ Inflammation TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 326

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100326

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Decreased Secretory Fluid TGLS = 4-15 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 3-14 ]

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PRIMARY CAUSE OF DEATH

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Animal Note: TGL # 05 - NOTED GROSSLY AS CAVITY WAS LIVER

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 327	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100327
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Inflammation TGLS = 1-15 ]			
* Seminal Vesicle		Atrophy Decreased Secretory Fluid	Moderate Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 328

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100328

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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 - Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Lymph Node	Mandibular	Ectasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 4-15 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Note: TGL # 01 - NO MICROSCOPIC CORRELATE		
	[ Adenoma TGLS = 2-14 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 329

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100329

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Inflammation	Multifocal, Mild
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Angiectasis	Mild
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 2-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 330

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100330

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Minimal
[ Pheochromocytoma Benign TGLS = 8-11 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 6,7,10-8 ]			
* Liver	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 11-6 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland	Duct	Carcinoma	
		Ectasia	Moderate
		Inflammation	Moderate
[ Carcinoma TGLS = 2-15 ]			
[ Ectasia TGLS = 1-15 ]			
[ Inflammation TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Stomach	Epithelium, Forestomach	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 330	<b>TRT#:</b> 4 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100330
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 12-4 ] [ Inflammation TGLS = 12-4 ]	Forestomach	Inflammation	Mild
* Testes [ Adenoma TGLS = 3-14 ] [ Atrophy TGLS = 4-14 ]	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
* Thyroid Gland [ Carcinoma TGLS = 9-6 ]	Bilateral, Follicular Cel	Carcinoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 331

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100331

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Brain - Brain Stem	* Brain - Cerebellum
* Brain - Cerebrum	* Coagulating Gland	* Epididymis	* 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 - Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Testes
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Moderate
* Bone	Femur	Fibrous Osteodystrophy	Mild
Note: PATHOLOGIST NOTED: SKULL FIB OSTEODYST LOCATED ON SLIDE # 10			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	
	[ Thrombosis TGLS = 8-3 ]		
* Kidney		Nephropathy	Marked
	[ Nephropathy TGLS = 3-8 ]		
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
	[ Hyperplasia TGLS = 7-6 ]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node	Mandibular	Hemorrhage	Mild
	[ Hemorrhage TGLS = 5-13 ]		
* Parathyroid Gland		Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 6-6 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 331	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100331

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Preputial Gland		Inflammation	Minimal
* Prostate		Inflammation	Mild
* Skin		Keratoacanthoma	
	[ Keratoacanthoma TGLS = 1,2-5.2+5.1 ]		
* Spleen		Fibrosis	Mild
	[ Fibrosis TGLS = 4-2 ]		
* Stomach	Glandular	Mineralization	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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Animal Note: PATHOLOGIST NOTED: BONE CRANIUM, FIB OSTEODYST, MILD

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 332

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100332

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 5-6.1 ]			
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Skin	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 4-5.1 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 333

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100333

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve	* Prostate
* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
		Sarcoma	Metastatic (Skin)
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-6 ]			
* Lymph Node	Mediastinal	Hemorrhage	Mild
[ Hemorrhage TGLS = 7-3 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
[ Cyst TGLS = 9-6 ]			
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 4-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Skin		Sarcoma	
[ Sarcoma TGLS = 8-5.1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 5-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 333	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100333

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes [ Adenoma TGLS = 1,2-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thymus Note: TGL # 07 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE,MEDIASTINAL			
* Zymbal's Gland	Duct	Ectasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 334

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100334

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
	[ Hyperplasia TGLS = 4-6.1 ]		
* Pancreas		Infiltration Cellular	Lymphocyte, Mild
* Preputial Gland		Adenoma	
	[ Adenoma TGLS = 1-5.1 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Mild
	[ Decreased Secretory Fluid TGLS = 3-15 ]		
* Skin			
	Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS PREPUTIAL GLAND		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-14 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 335

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100335

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Islets, Pancreatic	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Tongue	* Trachea	* Zymbal's Gland	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Eye			
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
	Jejunum, Lymphoid Tiss	Hyperplasia	Mild
	[ Hyperplasia TGLS = 8,9-5+4 ]		
* Kidney		Nephropathy	Moderate
	[ Nephropathy TGLS = 7-8 ]		
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
	[ Eosinophilic Focus TGLS = 10-6 ]		
* Lung	Alveolar Epith	Hyperplasia	Marked
* Mammary GI			
Note: TGL # 01 - NOTED GROSSLY AS MAMMARY GLAND WAS SKIN			
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 6-6 ]		
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Skin		Fibroma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 335	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100335

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Fibroma TGLS = 1-5.1 ]			
* Spleen		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 3-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-14 ]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[ Carcinoma TGLS = 4-6 ]			
* Urinary Bladder		Calculus Micro Observation Only	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 336

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100336

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Eye	Bilateral, Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 4-6 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 1,2-15 ]			
* Prostate		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 337

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100337

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Intestine Large - Cecum	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large	Colon, Lymphoid Tiss	Hyperplasia	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith Alveolus	Hyperplasia	Mild
* Lymph Node	Mandibular	Infiltration Cellular	Histiocyte, Mild
		Hyperplasia	Lymphoid, Mild
	[ Hyperplasia TGLS = 1-13 ]		
* Mammary Gland			
	Note: TGL # 02 - NOTED GROSSLY AS MAMMARY GLAND WAS SKIN		
* Pancreas		Polyarteritis	Moderate
* Preputial Gland		Atrophy	Minimal
		Inflammation	Minimal
* Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 337	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100337

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 5-15 ]		Decreased Secretory Fluid	Mild
* Skin [ Fibroma TGLS = 2-5.1 ]		Fibroma	
* Testes [ Adenoma TGLS = 4-14 ] [ Atrophy TGLS = 3-14 ]	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 338

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100338

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Lymph Node	Mandibular	Ectasia	Moderate
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
[ Dilatation TGLS = 3-16 ]			
[ Fibroadenoma TGLS = 1-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Mild
[ Ectasia TGLS = 2-15 ]			
[ Inflammation TGLS = 2-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 7-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 338

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100338

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Skin

Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

\* Spleen

[ Leukemia Mononuclear TGLS = 6-2 ]

Leukemia Mononuclear

\* Testes

Bilateral, Interstit Cell  
Seminif Tub

Adenoma  
Atrophy

Moderate

[ Adenoma TGLS = 5-14 ]

[ Atrophy TGLS = 4-14 ]

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PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 03 - NOTED GROSSLY AS MESENTERY WAS MAMMARY GLAND

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 365

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100365

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* 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	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone	Femur	Fibrous Osteodystrophy	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
[ Hyperplasia TGLS = 6-6 ]			
[ Inflammation TGLS = 6-6 ]			
* Mammary Gland	Duct	Dilatation	Mild
		Galactocele	
		Hyperplasia	Moderate
[ Galactocele TGLS = 4-5.1 ]			
[ Hyperplasia TGLS = 4-5.1 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6.1 ]			
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 365	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100365
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 3-2 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-14 ]		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 366

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100366

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Lung	* Lymph Node - Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Benign	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
* Lymph Node	Mandibular	Ectasia	Moderate
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
		Inflammation	Moderate
		[ Adenoma TGLS = 1-15 ]	
* Prostate		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
		[ Decreased Secretory Fluid TGLS = 2-15 ]	
* Spleen		Fibrosis	Mild
		[ Fibrosis TGLS = 5-2 ]	
* Testes	Interstitial Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 366

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100366

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Seminif Tub

Atrophy

Moderate

[ Adenoma TGLS = 4-14 ]

[ Atrophy TGLS = 3-14 ]

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PRIMARY CAUSE OF DEATH

-

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Animal Note: PATHOLOGIST NOTED: TOOTH-DYSPLASIA ON SLIDE # 10

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 367

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100367

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric
* Mammary Gland	* Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Ectasia	Moderate
	Lumbar	Hyperplasia	Lymphoid, Mild
	Mediastinal	Leukemia Mononuclear	
	Note: TGL # 09 - NO MICROSCOPIC CORRELATE		
	[ Hyperplasia TGLS = 7-16 ]		
	[ Leukemia Mononuclear TGLS = 6-3 ]		
* Nose	Respirat Epith	Hyperplasia	Mild
	Nasolacrim Dct	Inflammation	Mild
	Septum	Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 367

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100367

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: TGL # 03 - NO MICROSCOPIC CORRELATE

* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15 ]			
* Prostate		Inflammation	Mild
* Skin		Fibroma	
[ Fibroma TGLS = 8-5.1 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 4-14 ]			
* Thymus			

Note: TGL # 06 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 368

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100368

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland	* Nose
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
		Hemorrhage	Mild
	[ Hemorrhage TGLS = 3-11 ]		
* Islets, Pancreatic		Adenoma	
	[ Adenoma TGLS = 6-2 ]		
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[ Hepatodiaphragmatic Nodule TGLS = 5-6 ]		
* Pancreas	Acinus	Atrophy	Mild
	Note: TGL # 06 - NOTED GROSSLY AS PANCREAS WAS ISLETS PANCREAS		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-6 ]		
* Preputial Gland	Duct	Ectasia	Mild
* Prostate		Inflammation	Mild
* Seminal Vesicle	Lumen	Distended	Moderate
	[ Distended TGLS = 2-15 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 368	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100368
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach [ Hyperplasia TGLS = 7-4.1 ]	Epithelium, Forestomach	Hyperplasia	Minimal
* Testes [ Atrophy TGLS = 1-14 ]	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 369	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 91 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100369

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* Esophagus	* Eye
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-6 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[ Infiltration Cellular TGLS = 8-7.1 ]			
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mesenteric	Leukemia Mononuclear	
[ Hyperplasia TGLS = 2-13 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Mild
[ Inflammation TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 6-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 369

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100369

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 3,4-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 370

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100370

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 3-6 ]			
* Mammary Gland			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland			
Note: TGL # 06 - NO MICROSCOPIC CORRELATE			
* Prostate		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Moderate
[ Decreased Secretory Fluid TGLS = 2-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[ Adenoma TGLS = 5-14 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 370

**TRT#:** 2  
**DOSE:** 91 PPM

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

**DAY ON TEST:** 725  
**HISTO:** 21280100370

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Atrophy TGLS = 1-14 ]  
\* Thyroid Gland

C Cell  
Follicular Cel

Adenoma  
Adenoma

[ Adenoma TGLS = 4-6 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 371      **TRT#:** 2      **SEX:** Male      **DAY ON TEST:** 725  
**DOSE:** 91 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 21280100371

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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 - Mesenteric	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Artery	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 3-6 ]		
* Preputial Gland	Duct	Ectasia	Moderate
	[ Ectasia TGLS = 1-15 ]	Inflammation	Moderate
* Prostate	Ventral	Hyperplasia	Minimal
		Inflammation	Moderate
* Seminal Vesicle		Decreased Secretory Fluid	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-14 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 372

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100372

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
[ Hyperplasia TGLS = 4-6 ]			
* Lymph Node	Mesenteric	Ectasia	Moderate
[ Ectasia TGLS = 5-5 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Moderate
[ Inflammation TGLS = 1-15 ]			
* Prostate		Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 372

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100372

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 2-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 373

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100373

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* 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	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex Medulla	Hyperplasia Hyperplasia	Focal, Mild Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
[ Leukemia Mononuclear TGLS = 6-6 ]			
* Lymph Node	Mandibular Pancreatic	Ectasia Leukemia Mononuclear	Moderate
Note: TGL # 08 - NO MICROSCOPIC CORRELATE			
[ Ectasia TGLS = 1-13 ]			
[ Leukemia Mononuclear TGLS = 7-2 ]			
* Nose	Respirat Epith Septum	Hyperplasia Inflammation	Mild Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
Note: TGL # 07 - NOTED GROSSLY AS PANCREAS WAS LYMPH NODE,PANCREATIC			
* Preputial Gland		Inflammation	Moderate
[ Inflammation TGLS = 2-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 373

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100373

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Decreased Secretory Fluid TGLS = 5-15 ]

\* Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 4-2 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 3-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 374

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100374

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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 - Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Cortex	Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 4-6 ]			
* Lymph Node	Mandibular	Ectasia	Mild
[ Ectasia TGLS = 5-13 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 3-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 375

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100375

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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 - Mesenteric	* Mammary Gland	* Pancreas
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 4-8 ]			
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
[ Hepatocellular Adenoma TGLS = 5-6 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Minimal
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 1-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-14 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-6 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 375

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100375

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 376

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100376

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	Urethra
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Benign	
	[ Pheochromocytoma Benign TGLS = 2-11 ]		
* Eye			
	Note: TGL # 08 - NO MICROSCOPIC CORRELATE		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney	Cortex	Cyst	
	[ Cyst TGLS = 3-8 ]	Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	[ Hepatocellular Adenoma TGLS = 6-6 ]	Vacuolization Cytoplasmic	Mild
	[ Hyperplasia TGLS = 7-6 ]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactocele	
	[ Galactocele TGLS = 1-5.1 ]	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 376

**TRT#:** 3  
**DOSE:** 272 PPM

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

**DAY ON TEST:** 725  
**HISTO:** 21280100376

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Pituitary Gland	Pars Distalis	Infiltration Cellular	Lymphocyte, Mild
* Preputial Gland		Hyperplasia	Mild
* Prostate		Inflammation	Moderate
* Seminal Vesicle		Inflammation	Mild
* Testes	Bilateral, Interstit Cell	Decreased Secretory Fluid	Moderate
		Adenoma	
[ Adenoma TGLS = 4-14 ]			
Urethra			
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
Note: PATHOLOGIST NOTED: TGL # 05 MAY HAVE BEEN DISTENDED ERECTILE TISSUE			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 377

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100377

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Brain [ Compression TGLS = 11-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney [ Nephropathy TGLS = 9-8 ]		Nephropathy	Moderate
* Liver [ Leukemia Mononuclear TGLS = 14-6 ]	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
* Lung		Leukemia Mononuclear	
* Lymph Node [ Hyperplasia TGLS = 13-5 ] [ Leukemia Mononuclear TGLS = 4-13 ]	Mesenteric Mandibular	Hyperplasia Leukemia Mononuclear	Lymphoid, Mild
* Mammary Gland [ Dilatation TGLS = 1-5.1 ] [ Galactocele TGLS = 5-5.2 ]	Duct	Dilatation Galactocele	Mild
Mesentery		Accessory Spleen Polyarteritis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 377	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 272 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100377

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Accessory Spleen TGLS = 7-16 ]			
[ Polyarteritis TGLS = 16-16.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
	Artery	Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 12-6 ]			
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 2-15 ]			
* Prostate		Inflammation	Mild
[ Inflammation TGLS = 8-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	
[ Ultimobranchial Cyst TGLS = 10-6 ]			
* Urin Bladder			
Note: TGL # 15 - NO MICROSCOPIC CORRELATE			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 378

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100378

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Coagulating Gland	* Epididymis	* 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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Cyst	
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
[ Cyst TGLS = 6-6 ]			
* Lymph Node	Mesenteric	Ectasia	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary GI			
Note: PER PATHOLOGIST NO RECUT			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Artery	Inflammation	Chronic, Moderate
[ Inflammation TGLS = 3-2 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-6 ]			
* Preputial Gland		Adenoma	
	Duct	Ectasia	Moderate
[ Adenoma TGLS = 1-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 378	<b>TRT#:</b> 3 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 21280100378
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Ectasia TGLS = 1-15 ]			
* Prostate	Ventral	Hyperplasia Inflammation Decreased Secretory Fluid	Mild Minimal Mild
* Seminal Vesicle			
[ Decreased Secretory Fluid TGLS = 5-15 ]			
* Spleen		Hyperplasia	Focal, Moderate
[ Hyperplasia TGLS = 4-2 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 379

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100379

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Medulla	Hyperplasia	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 5,6-8 ]			
* Liver		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
[ Hepatocellular Adenoma TGLS = 7-6.1 ]			
[ Hyperplasia TGLS = 8-6.1 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Craniopharyngioma	
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 1-15 ]			
* Seminal Vesicle		Decreased Secretory Fluid	Mild
[ Decreased Secretory Fluid TGLS = 2-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,4-14 ]			
* Urinary Bladder	Artery	Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 379

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100379

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 380

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100380

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland	* Epididymis
* Esophagus	* Eye	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Gland		Degeneration	Moderate
	Medulla	Pheochromocytoma Benign	
	[ Pheochromocytoma Benign TGLS = 6-11 ]		
* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
	[ Eosinophilic Focus TGLS = 11,12-6+6.1 ]	Vacuolization Cytoplasmic	Mild
* Lung		Squamous Cell Carcinoma	Metastatic (Preputial Gland)
	[ Squamous Cell Carcinoma TGLS = 8-7 ]		
* Lymph Node	Mandibular	Ectasia	Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	[ Hyperplasia TGLS = 7-5 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 380	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 725
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100380

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Preputial Gland [ Carcinoma TGLS = 1-15 ]		Carcinoma	
* Prostate	Ventral	Hyperplasia Inflammation	Minimal Minimal
* Seminal Vesicle [ Decreased Secretory Fluid TGLS = 5-15 ]		Decreased Secretory Fluid	Mild
* Skin [ Necrosis TGLS = 10-5.2 ] [ Sarcoma TGLS = 9-5.1 ]	Epidermis	Necrosis Sarcoma	Mild
* Spleen [ Hematopoietic Cell Proliferation TGLS = 4-2 ]		Hematopoietic Cell Proliferation	Mild
* Testes [ Adenoma TGLS = 2,3-14 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 382

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 567

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100382

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Brain [ Compression TGLS = 2-1 ]	Brain Stem, Hypothalamus	Compression	Moderate
* Eye	Sclera	Metaplasia	Osseous, Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland [ Adenoma TGLS = 1-6 ]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Mild
* Prostate		Inflammation	Moderate
* Spleen		Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH**

- Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 383

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100383

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Coagulating Gland
* Epididymis	* 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	* Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 5-6 ]			
* Mammary Gland		Hyperplasia	Mild
Note: TGL # 02 - NOTED GROSSLY AS MAMMARY GLAND WAS SKIN			
[ Hyperplasia TGLS = 6-5 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6 ]			
* Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15 ]			
* Prostate	Ventral	Hyperplasia	Mild
		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 383

**TRT#:** 4  
**DOSE:** 543 PPM

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

**DAY ON TEST:** 725  
**HISTO:** 21280100383

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Skin

[ Sarcoma TGLS = 2-5.1 ]

Sarcoma

\* Testes

[ Adenoma TGLS = 3-14 ]

Bilateral, Interstit Cell

Adenoma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 101

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 50

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100101

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Kidney	* Lung
* Lymph Node - Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Bone	Maxilla	Inflammation	Chronic, Moderate
Note: PATHOLOGIST NOTED: LESION LOCATED ON SLIDE # 10			
* Bone Marrow	Myeloid Cell	Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
* Liver		Inflammation	Granulomatous, Focal, Minimal
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	[ Hyperplasia TGLS = 1-13 ]		
	[ Infiltration Cellular TGLS = 1-13 ]		
* Nose		Inflammation	Suppurative, Mild
* Ovary		Atrophy	Mild
* Saliv Glands			
Note: TGL # 01 - NOTED GROSSLY AS SALIVARY GLAND WAS LYMPH NODE,MANDIBULAR			
* Skin		Abscess	Moderate
	[ Abscess TGLS = 2-16 ]		

**PRIMARY CAUSE OF DEATH** - Skin Abscess

Animal Note: COD... PROBABLE-Skin,Abscess

Animal Note: Pathologist noted: Malocclusion was a contributory cause of death

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 103

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100103

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Clitoral Gland	* 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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Brain	Cranial Nerve	Schwannoma Malignant	
* Kidney		Mineralization	Mild
* Stomach	Epithelium, Forestomach	Hyperplasia	Mild
	Forestomach	Inflammation	Mild

**PRIMARY CAUSE OF DEATH** - Brain Cranial Nerve Schwannoma Malignant

Animal Note: COD... PROBABLE-Brain,Schwannoma Mal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 111

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 460

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100111

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Mammary Gland	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord - Thoracic	* 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		Inflammation	Mild
* Kidney		Mineralization	Mild
* Lymph Node	Mesenteric	Angiectasis	Mild
* Mammary GI			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 06			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Cyst	
[ Cyst TGLS = 1-14 ]			
* Skin		Fibrous Histiocytoma	
* Spleen		Pigmentation	Mild
* Thymus			

Note: PATHOLOGIST NOTED: THYMUS AREA PRESENT - NO RECUT

**PRIMARY CAUSE OF DEATH**

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Animal Note: COD... PROBABLE-Skin,Fib Histic

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:09  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 112

TRT#: 9

SEX: Female

DAY ON TEST: 474

DOSE: 543 PPM

DISP: Moribund

HISTO: 21280100112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

MISSING

\* Thymus

OBSERVATIONS

* Clitoral Gland [ Adenoma TGLS = 1-16 ]		Adenoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Skin Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS CLITORAL GLAND			
* Spleen [ Leukemia Mononuclear TGLS = 3-2 ]		Leukemia Mononuclear	
* Uterus [ Dilatation TGLS = 2-14 ]	Bilateral, Horn	Dilatation	Moderate

PRIMARY CAUSE OF DEATH - Clitoral Gland Adenoma

Animal Note: COD... PROBABLE-Clitoral GI,Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 113

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 526

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100113

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

\* Thymus

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Mild
* Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
Note: PATHOLOGIST NOTE: NCL FOR ENLARGED EYE. RETINAL DEGENERATION MAY BE DUE TO INCREASED INTRAOCCULAR PRESSURE WHICH MAY INCREASE SIZE OF THE EYE			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Necrosis	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Concretion	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-2 ]			
* Uterus		Decidual Reaction	
		Sarcoma Stromal	
Note: PATHOLOGIST NOTED: TGL # 01 CONSISTS OF A STROMAL SARCOMA WITH AREAS OF DECIDUAL ALTERATION.			
[ Decidual Reaction TGLS = 1-14.1+14.2 ]			
[ Sarcoma Stromal TGLS = 1-14.1+14.2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 113

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 526

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100113

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

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Animal Note: COD... PROBABLE-Uterus,Sarc Stromal

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 118

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 551

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100118

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**MISSING**

* Parathyroid Gland	* Thymus	* Thyroid Gland
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**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
[ Dilatation TGLS = 1-6 ]			
* Kidney		Mineralization	Mild
* Liver		Inflammation	Granulomatous, Focal, Mild
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			
* Spleen		Pigmentation	Mild
* Stomach			
Note: PATHOLOGIST NOTED: TGL #03 WAS NORMAL SUBMUCOSAL LYMPHOID TISSUE			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Thymus			
Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT			

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 119

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 568

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100119

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Heart			
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Kidney		Mineralization	Mild
* Liver		Necrosis	Mild
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Lymph Node	Mesenteric	Schwannoma Malignant	Metastatic (Uterus)
[ Schwannoma Malignant TGLS = 4-5.1 ]			
Mesentery		Schwannoma Malignant	Metastatic (Uterus)
[ Schwannoma Malignant TGLS = 8-16 ]			
* Pancreas		Schwannoma Malignant	Metastatic (Uterus)
[ Schwannoma Malignant TGLS = 2-2 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 1-2.1 ]			
Tissue NOS		Schwannoma Malignant	Metastatic (Uterus)
Note: PATHOLOGIST NOTED: TGL #06 WAS METASTATIC SCHWANNOMA MAL IN MEDIASTINUM			
[ Schwannoma Malignant TGLS = 6-16.1 ]			
* Uterus		Schwannoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 119

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 568

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100119

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Schwannoma Malignant TGLS = 7-14.1 ]

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PRIMARY CAUSE OF DEATH

- Uterus Schwannoma Malignant

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Animal Note: PATHOLOGIST NOTED: TGL # 08 - NOTED GROSSLY AS CAVITY WAS MESENTERY

Animal Note: COD... PROBABLE-Uterus,Schwannoma Mal

Animal Note: PATHOLOGIST NOTED: TGL # 06 - NOTED GROSSLY AS CAVITY WAS TISSUE NOS,MEDIASTINUM

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 120

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 589

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100120

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
[ Hepatodiaphragmatic Nodule TGLS = 3-6.1 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[ Fibroadenoma TGLS = 1,2-16+16.1 ]			
* Pancreas		Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 12			
* Skin			
Note: TGL # 01 & 02 - NOTED GROSSLY AS SKIN WERE MAMMARY GLAND			
* Spleen		Leukemia Mononuclear	
* Urin Bladder			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 16 & 16.1			
* Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 120

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 589

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100120

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

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Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

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**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 121

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 575

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100121

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Zymbal's Gland

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Mineralization	Mild
* Liver	Developmental Malformation	
[ Developmental Malformation TGLS = 2,3-6.1+6.2 ]		
* Mammary Gland	Adenoma	
* Skin	Fibroma	
[ Fibroma TGLS = 1-16 ]		
* Vagina	Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH**

- Skin Fibroma

Animal Note: COD... PROBABLE-Skin,Fibroma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 122

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 575

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100122

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Clitoral Gland		Carcinoma	
[ Carcinoma TGLS = 1-6.1 ]			
* Heart		Cardiomyopathy	Mild
* Intestine Large	Rectum	Inflammation	Mild
* Kidney		Mineralization	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH** - Clitoral Gland Carcinoma

Animal Note: COD... PROBABLE-Clitoral GI,Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 123

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 595

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100123

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Ovary	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Brain [ Compression TGLS = 4-1 ]	Brain Stem, Hypothalamus	Compression	Moderate
* Eye	Retina Bilateral	Autolysis Cataract	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland [ Galactocele TGLS = 1-5.1 ]		Galactocele	
* Pituitary Gland [ Adenoma TGLS = 2-6 ]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland [ Carcinoma TGLS = 3-6 ]	C Cell	Carcinoma	

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 123

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 595

**DOSE:** 91 PPM

**DISP:** Natural Death

**HISTO:** 21280100123

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 125

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 617

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100125

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Bone - Femur	* Brain - Brain Stem	* Brain - Cerebellum
* Brain - Cerebrum	* Esophagus	* Harderian Gland	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Parathyroid Gland	* Peripheral Nerve	* Spinal Cord - Thoracic
* Thyroid Gland	* Tongue	* Trachea	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Medulla	Leukemia Mononuclear	
* Blood Vessel	Aorta	Leukemia Mononuclear	
* Bone Marrow		Atrophy	Mild
* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Autolysis	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
		Pigmentation	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3,4,7-6.2+6.1 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5,8-16+5 ]		
* Mammary Gland		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 9-16.1 ]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 125

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 617

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100125

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Pituitary Gland [ Adenoma TGLS = 6-6.1 ]	Pars Distalis	Adenoma	
* Salivary Glands		Atrophy	Moderate
* Skeletal Muscle		Mineralization	Multifocal, Mild
* Skin		Leukemia Mononuclear	
* Spleen [ Leukemia Mononuclear TGLS = 1,2-2 ]		Leukemia Mononuclear	
* Stomach	Forestomach Glandular	Leukemia Mononuclear Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND-METAPLASIA,MILD ON SLIDE # 13

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 126

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 625

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100126

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	

**MISSING**

\* Zymbal's Gland

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Leukemia Mononuclear	
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Necrosis	Focal, Minimal
	[ Necrosis TGLS = 3-8 ]		
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-6.1 ]		
* Pituitary Gl			
	Note: TGL # 05 - NO MICROSCOPIC CORRELATE		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-2 ]		
* Uterus			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 126

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 625

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100126

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 01 - NO MICROSCOPIC CORRELATE

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 127

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 623

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100127

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Mandibular	* Lymph Node - Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Bone	Femur	Fracture Healed	
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Minimal
	[ Dilatation TGLS = 1-6 ]		
* Eye	Retina	Autolysis	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver	Centrilobular	Hepatodiaphragmatic Nodule	
		Necrosis	Moderate
	[ Hepatodiaphragmatic Nodule TGLS = 2-6 ]		
	[ Necrosis TGLS = 3-6 ]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
	[ Fibroadenoma TGLS = 4-16 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Hyperkeratosis	Multifocal, Mild
	Note: TGL # 04 - NOTED AS SKIN WAS MAMMARY GLAND		
	[ Hyperkeratosis TGLS = 5-16.1 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 127

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 623

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100127

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen Pigmentation Mild

\* Thymus

Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT

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PRIMARY CAUSE OF DEATH - Heart Cardiomyopathy

CONTRIBUTORY CAUSE OF DEATH - Liver Centrilobular Necrosis

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Animal Note: COD... CONTRIBUTORY-Liver,Necrosis

Animal Note: COD... PROBABLE-Heart,Cardiomyopathy

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 128

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 630

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100128

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Esophagus
* Harderian Gland	* 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	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Brain	Cerebrum	Hemorrhage	Minimal
* Clitoral Gland		Inflammation	Moderate
* Eye	Retina	Autolysis	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3,5-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4,7-5+13+13.1 ]		
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 8-14.1 ]		
* Pancreas		Leukemia Mononuclear	
* Saliv Glands			
	Note: TGL # 06 - NO MICROSCOPIC CORRELATE		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-2 ]		
* Thymus		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 128

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 630

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100128

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 2-3 ]

\* Uterus

Leukemia Mononuclear

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**PRIMARY CAUSE OF DEATH**

- Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 129

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 647

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100129

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mesenteric	* Nose	* Ovary	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

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

* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
		Inflammation	Granulomatous, Focal, Moderate
[ Developmental Malformation TGLS = 7-6.1 ]			
[ Inflammation TGLS = 3,5,6,8-6 ]			
* Lymph Node			
Note: TGL # 04 - NO MICROSCOPIC CORRELATE (MEDIASTINAL, LYMPH NODE-NORMAL)			
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
[ Fibroadenoma TGLS = 1-16 ]			
* Skin			
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Thymus			
Note: TGL # 04 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL			
* Uterus	Endometrium	Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 129

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 647

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100129

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Decidual Reaction

[ Carcinoma TGLS = 2-14.1 ]

[ Decidual Reaction TGLS = 2-14.1 ]

---

**PRIMARY CAUSE OF DEATH** - Mammary Gland Fibroadenoma

---

Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

---

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 130

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 652

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100130

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Zymbal's Gland	

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
	[ Compression TGLS = 6-1 ]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Developmental Malformation	
		Hepatodiaphragmatic Nodule	
	[ Developmental Malformation TGLS = 4-6 ]		
	[ Hepatodiaphragmatic Nodule TGLS = 3-6 ]		
* Mammary Gland	Duct	Dilatation	Mild
		Galactocele	
	[ Galactocele TGLS = 1-5.1 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 2-16 ]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 5-6.1 ]		
* Vagina		Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 130

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 652

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100130

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND-METAPLASIA,MODERATE ON SLIDE # 13

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 131

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 652

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100131

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Zymbal's Gland		

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
* Clitoral Gland		Inflammation	Moderate
* Eye	Sclera	Metaplasia	Osseous, Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Minimal
	[ Developmental Malformation TGLS = 3-6 ]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 1-16 ]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 2-6.1 ]		
* Stomach	Glandular	Edema	Moderate
	Forestomach	Inflammation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 131

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 652  
**HISTO:** 21280100131

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Inflammation TGLS = 4-4 ]

\* Vagina

Inflammation

Suppurative, Moderate

---

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

---

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 132

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 638

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100132

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Mammary Gland	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
* Liver		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 2-6 ]	
* Lung		Leukemia Mononuclear	
* Lymph Node	Mesenteric	Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 4-5 ]	
* Nose		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Skin			
		Note: TGL # 05 - NO MICROSCOPIC CORRELATE	
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 1-2 ]	
* Thymus		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 3-3 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 132

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 638

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100132

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

---

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

---

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 133

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 666

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100133

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Bone Marrow			
Note: FEMORAL BONE MARROW			
* Clitoral Gland		Inflammation	Moderate
[ Inflammation TGLS = 1-6.1 ]			
* Eye			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
		Pigmentation	Mild
* Liver		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-16 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Stomach	Forestomach	Inflammation	Mild
[ Inflammation TGLS = 4-4 ]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 133

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 666

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100133

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH - Stomach Forestomach Inflammation

---

Animal Note: COD... PROBABLE-Stomach,Inflammation

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 134

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 659

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100134

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
Note: TGL # 02 - NO MICROSCOPIC CORRELATE			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-5.1 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH** - Mammary Gland Fibroadenoma

Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 135

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 666

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100135

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Carcinoma Dilatation Inflammation	Mild Mild
[ Carcinoma TGLS = 2-6.1 ]			
[ Dilatation TGLS = 1-16 ]			
[ Inflammation TGLS = 1-16 ]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Degeneration	Cystic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node	Mesenteric	Ectasia	Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
[ Ectasia TGLS = 5-5 ]			
[ Hyperplasia TGLS = 5-5 ]			
* Mammary Gland	Duct	Dilatation Hyperplasia	Minimal Minimal
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6.2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 135

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 666

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100135

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Skin

Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS CLITORAL GLAND

\* Spleen

Hematopoietic Cell Proliferation

Mild

[ Hematopoietic Cell Proliferation TGLS = 3-2 ]

---

**PRIMARY CAUSE OF DEATH** - Clitoral Gland Carcinoma

---

Animal Note: COD... PROBABLE-Clitoral GI,Carcinoma

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 136

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 659

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100136

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Zymbal's Gland	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland [ Dilatation TGLS = 2-6 ]	Duct	Dilatation	Mild
* Kidney		Mineralization	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Polyp Stromal	
* Vagina [ Prolapse TGLS = 1-14 ]		Prolapse	

**PRIMARY CAUSE OF DEATH** - Vagina Prolapse

Animal Note: COD... PROBABLE-Vagina,Prolapse

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 137

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 680

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100137

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Uterus
* Vagina	* Zymbal's Gland		

**MISSING**

* Clitoral Gland	* Urinary Bladder
------------------	-------------------

**OBSERVATIONS**

* Clitoral GI			
Note: PATHOLOGIST NOTED: TISSUE OBLITERATED IN MAMMARY GLAND TUMOR			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Hemangiosarcoma	
		Mineralization	Mild
		Nephropathy	Minimal
[ Hemangiosarcoma TGLS = 4-8.1 ]			
* Mammary Gland		Carcinoma	
	Duct	Dilatation	Mild
		Fibroadenoma	
[ Fibroadenoma TGLS = 1-5.1 ]			
* Ovary		Cyst	
	Periovarn Tiss	Hemorrhage	Mild
[ Cyst TGLS = 3-14.1 ]			
[ Hemorrhage TGLS = 2-14.1 ]			
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 137

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 680

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100137

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 5-6 ]

\* Skin

Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

\* Spleen

Hematopoietic Cell Proliferation

Mild

---

**PRIMARY CAUSE OF DEATH** - Mammary Gland Fibroadenoma

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Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

Animal Note: COD... CONTRIBUTORY-Mammary GI,Adenocarc

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 138

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 673

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100138

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Tongue	* Trachea
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Brain	Cerebrum	Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Minimal
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 6-6.1 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Thoracic	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,4,5,9,11-13+16+16.1+16.2+5 ]		
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 7-14 ]		
* Pancreas		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2.1 ]		
* Pituitary Gland		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 10-6 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 138

**TRT#:** 7  
**DOSE:** 91 PPM

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 673  
**HISTO:** 21280100138

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Spleen [ Leukemia Mononuclear TGLS = 3-2.1 ]	Leukemia Mononuclear
* Thymus [ Leukemia Mononuclear TGLS = 8-3 ]	Leukemia Mononuclear
* Urinary Bladder	Leukemia Mononuclear
* Uterus	Leukemia Mononuclear

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 139

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 688

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100139

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

* Parathyroid Gland	* Pituitary Gland
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**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
* Eye	Bilateral, Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	[ Eosinophilic Focus TGLS = 2-6 ]		
	[ Hyperplasia TGLS = 2-6 ]		
* Mammary Gland		Fibroadenoma	
	[ Fibroadenoma TGLS = 1-16 ]		
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland			
	Note: PER PATHOLOGIST NO RECUT		
* Skin			
	Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 139

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 688

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100139

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

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Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 140

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100140

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Esophagus	* Harderian Gland	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Ovary	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Zymbal's Gland	

**MISSING**

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

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

* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Mild
* Eye	Retina	Autolysis	
	Bilateral	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-6 ]		
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Parathyroid Gland			
	Note: PER PATHOLOGIST NO RECUT		
* Pituitary Gland	Pars Distalis	Adenoma	
	Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 12		
* Spleen		Leukemia Mononuclear	
* Thymus			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 140

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100140

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: PER PATHOLOGIST NO RECUT

\* Thyroid GI

Note: PER PATHOLOGIST NO RECUT

\* Vagina

Inflammation

Suppurative, Marked

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PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Vagina Inflammation

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

Animal Note: COD... CONTRIBUTORY-Vagina,Inflammation

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:09  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 141

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 709

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100141

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-11.1 ]			
* Clitoral GI			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 14			
* Eye	Bilateral, Retina	Cataract Degeneration	Mild Moderate
[ Cataract TGLS = 8-11 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization Nephropathy	Mild Minimal
* Liver	Bile Duct	Developmental Malformation Hyperplasia Leukemia Mononuclear	Mild
[ Developmental Malformation TGLS = 11-6.1 ]			
[ Leukemia Mononuclear TGLS = 7-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular Mediastinal Mesenteric	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2,6-13+3 ]			
* Mammary Gland		Fibroadenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 141	<b>TRT#:</b> 6 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 709 <b>HISTO:</b> 21280100141
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Fibroadenoma TGLS = 1-5.1 ]		Hyperplasia	Mild
* Ovary		Atrophy	Mild
[ Atrophy TGLS = 5-14 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
[ Hyperplasia TGLS = 10-4.1 ]			
* Thymus			
Note: TGL # 06 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Cervix	Hypertrophy	
[ Hypertrophy TGLS = 9-14.1 ]			

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 142

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 709

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100142

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Urinary Bladder

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
[ Compression TGLS = 4-1 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
		Sarcoma	
Note: PATHOLOGIST NOTED: TGL # 2 RESEMBLES RENAL MESENCHYMAL TUMOR			
[ Sarcoma TGLS = 2-8 ]			
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[ Vacuolization Cytoplasmic TGLS = 5,6,7,8,9-6+6.2 ]			
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 11-16 ]			
* Ovary		Cyst	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 142	<b>TRT#:</b> 6 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 709 <b>HISTO:</b> 21280100142
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland [ Adenoma TGLS = 3-6.1 ]	Pars Distalis	Adenoma	
* Spleen [ Leukemia Mononuclear TGLS = 1-2 ]		Leukemia Mononuclear	
* Stomach Note: TGL # 10 - NO MICROSCOPIC CORRELATE	Forestomach	Edema	Mild

---

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

---

Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND-METAPLIASA,MILD

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 143

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 709

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100143

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-5 ]		
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Cyst	
	[ Cyst TGLS = 1-14 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2 ]		
* Vagina		Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 144

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 723

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100144

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Vagina			

**MISSING**

\* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 5-16 ]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lymph Node	Mesenteric	Hemorrhage	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Skin			
Note: TGL # 05 - NOTED GROSSLY AS SKIN WAS CLITORAL GLAND			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 4-6 ]			
* Uterus		Leiomyoma	
		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 144

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 723

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100144

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leiomyoma TGLS = 3-14.1 ]

[ Polyp Stromal TGLS = 2-14 ]

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**PRIMARY CAUSE OF DEATH**

- Clitoral Gland Adenoma

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Animal Note: COD... PROBABLE-Clitoral GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 145      **TRT#:** 8      **SEX:** Female      **DAY ON TEST:** 709  
**DOSE:** 272 PPM      **DISP:** Moribund      **HISTO:** 21280100145

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**MISSING**

\* Clitoral Gland      \* Thymus

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland			
Note: PER PATHOLOGIST NO RECUT			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Focal, Mild
[ Hepatodiaphragmatic Nodule TGLS = 1-6 ]			
* Lung			
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-16 ]			
* Skin			
Note: TGL # 02 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Bilateral, C Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 145	<b>TRT#:</b> 8 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 709 <b>HISTO:</b> 21280100145
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild
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[ Hyperplasia TGLS = 3-14 ]

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**PRIMARY CAUSE OF DEATH** - Mammary Gland Fibroadenoma

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Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 146

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100146

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[ Inflammation TGLS = 2-6 ]			
* Lung			
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Lymph Node	Renal	Hemorrhage	Mild
	Renal	Hyperplasia	Lymphoid, Mild
[ Hemorrhage TGLS = 1-16.1 ]			
[ Hyperplasia TGLS = 1-16.1 ]			
* Mammary Gland		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 147

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100147

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**INSUFFICIENT TISSUE**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla
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**OBSERVATIONS**

* Clitoral Gland		Adenoma	
		Inflammation	Minimal
[ Adenoma TGLS = 1-6 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
[ Fibroadenoma TGLS = 2-5 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 148

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100148

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Focal, Moderate
[ Inflammation TGLS = 1,2-6+6.1 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 149

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100149

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**MISSING**

* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-16 ]			
* Liver		Basophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Lymphocyte, Mild
[ Hepatodiaphragmatic Nodule TGLS = 6-6.1 ]			
[ Infiltration Cellular TGLS = 3,4-6 ]			
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[ Fibroadenoma TGLS = 2-5.1 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6 ]			
* Thymus			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 149

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100149

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: PER PATHOLOGIST NO RECUT

\* Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:10  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 150

TRT#: 7

SEX: Female

DAY ON TEST: 726

DOSE: 91 PPM

DISP: Terminal Sacrifice

HISTO: 21280100150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 2-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Skin	Epidermis	Hyperplasia	Mild
	Epidermis	Necrosis	Mild
Note: PATHOLOGIST NOTED: HYPERPLASIA LOCATED ON SLIDE # 16			
[ Necrosis TGLS = 1-16 ]			
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 3-14.1 ]			
* Vagina		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 151

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100151

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Clitoral Gland		Adenoma	
		Inflammation	Mild
[ Adenoma TGLS = 2-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Focal, Mild
[ Inflammation TGLS = 1-6 ]			
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 152

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100152

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mandibular	* Lymph Node - Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-14.1 ]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 4-6 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
[ Fibroadenoma TGLS = 2-5.1 ]			
* Ovary		Cyst	
[ Cyst TGLS = 3-14 ]			
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6.1 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 152

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100152

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 153

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100153

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
[ Dilatation TGLS = 1-6 ]			
[ Inflammation TGLS = 1-6 ]			
* Eye	Bilateral, Retina	Degeneration	Mild
Note: TGL # 08 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Minimal
[ Metaplasia TGLS = 2-13 ]			
* Liver		Basophilic Focus	Multiple
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
[ Hepatocellular Adenoma TGLS = 6-6.1 ]			
[ Hyperplasia TGLS = 5-6.1 ]			
* Lymph Node	Mediastinal	Hemorrhage	Mild
[ Hemorrhage TGLS = 7-3 ]			
* Mammary Gland		Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 153

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100153

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Ovary [ Cyst TGLS = 3-14.1 ]		Infiltration Cellular Cyst	Lymphocyte, Mild
* Pituitary Gland [ Adenoma TGLS = 9-6 ]	Pars Distalis	Adenoma	
* Thymus Note: TGL # 07 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL			
* Urinary Bladder [ Carcinoma TGLS = 4-8 ]	Transit Epithe	Carcinoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 154

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100154

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node - Mesenteric

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Mild
[ Inflammation TGLS = 1-6.1 ]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum	Leukemia Mononuclear	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-6 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-2 ]			
* Uterus		Polyp Stromal	

Note: PATHOLOGIST NOTED: TGL # 02 - SIZE OF CERVIX WAS WITHIN NORMAL LIMITS

Note: TGL # 02 - NO MICROSCOPIC CORRELATE

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 154

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100154

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Polyp Stromal TGLS = 3-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 155

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100155

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* 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**

* Clitoral Gland		Adenoma	
		Inflammation	Moderate
	[ Adenoma TGLS = 1-6.1 ]		
	[ Inflammation TGLS = 1-6.1 ]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Minimal
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 2-16 ]		
* Pancreas	Acinus	Atrophy	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 156

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100156

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 14			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
[ Developmental Malformation TGLS = 3-6.1 ]			
[ Eosinophilic Focus TGLS = 7-6.2 ]			
[ Hepatodiaphragmatic Nodule TGLS = 4,5-6.2 ]			
[ Hyperplasia TGLS = 6-6.1 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 156

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100156

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Bilateral

Polyp Stromal

[ Polyp Stromal TGLS = 1-14.1 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 157

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100157

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Bone	Femur	Osteopetrosis	Mild
	Sternum	Osteopetrosis	Mild
	Turbinates	Osteopetrosis	Mild
* Brain			
Note: TGL # 07 - NO MICROSCOPIC CORRELATE			
* Clitoral Gland	Duct	Dilatation	Moderate
		Hyperplasia	Moderate
		Inflammation	Mild
		[ Dilatation TGLS = 3-6.1 ]	
		[ Hyperplasia TGLS = 3-6.1 ]	
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Moderate
Note: PATHOLOGIST NOTED: LOCATED ON SLIDE # 16 & 16.1 ALSO			
		[ Hyperplasia TGLS = 1,2-16+16.1 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 157

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100157

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Ovary [ Cyst TGLS = 4-14 ]		Cyst	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [ Adenoma TGLS = 6-6 ]	Pars Distalis	Adenoma	
* Tongue [ Squamous Cell Carcinoma TGLS = 5-2 ]		Squamous Cell Carcinoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 158

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100158

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Kidney
* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 2-6 ]		
* Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
* Skin	Epidermis	Hyperplasia	Mild
		Inflammation	Mild
	[ Hyperplasia TGLS = 1-16 ]		
	[ Inflammation TGLS = 1-16 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 159

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100159

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone - Femur	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Zymbal's Gland

**MISSING**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla
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**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Uterus	Bilateral	Polyp Stromal	
	[ Polyp Stromal TGLS = 1,2-14.1 ]		
* Vagina		Inflammation	Suppurative, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 160

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100160

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Clitoral Gland	* 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	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Kidney		Mineralization	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 3-6.1 ]			
[ Hyperplasia TGLS = 2-6.1 ]			
* Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 1-16 ]			
* Ovary		Cyst	
* Pancreas	Acinus	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 161

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100161

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
[ Dilatation TGLS = 4-6.1 ]			
[ Inflammation TGLS = 4-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-7 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Cyst	
[ Cyst TGLS = 1-14 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 162      **TRT#:** 8      **SEX:** Female      **DAY ON TEST:** 726  
**DOSE:** 272 PPM      **DISP:** Terminal Sacrifice      **HISTO:** 21280100162

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
* Clitoral Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
		[ Dilatation TGLS = 1-6 ]	
		[ Hyperplasia TGLS = 1-6 ]	
* Eye	Bilateral, Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Lymphocyte, Minimal
		[ Eosinophilic Focus TGLS = 3,4-6 ]	
* Lymph Node	Renal	Hyperplasia	Lymphoid, Mild
		[ Hyperplasia TGLS = 2-14 ]	
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Note: TGL # 02 - NOTED GROSSLY AS OVARY WAS LYMPH NODE,RENAL	
* Pancreas	Acinus	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 162	<b>TRT#:</b> 8 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100162
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

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PRIMARY CAUSE OF DEATH

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Animal Note: PATHOLOGIST NOTED: TOOTH-DYSPLASIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 163

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100163

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina		

**MISSING**

* Adrenal Gland - Medulla	* Zymbal's Gland
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**OBSERVATIONS**

* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 3-6.1 ]			
* Eye			
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
		Metaplasia	Moderate
Lacrimal Gland			
[ Metaplasia TGLS = 1-16+13 ]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Mild
[ Vacuolization Cytoplasmic TGLS = 6-6 ]			
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 2-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 163

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100163

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Polyp Stromal TGLS = 4-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 164

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100164

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 6-1 ]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
[ Mineralization TGLS = 1-8 ]		Nephropathy	Mild
[ Nephropathy TGLS = 1-8 ]			
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 7-16 ]			
* Liver	Bile Duct	Hyperplasia	Mild
[ Vacuolization Cytoplasmic TGLS = 2,3,4-6.1+6.2+6.3 ]		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 164

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100164

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 165

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100165

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Peripheral Nerve	* Pituitary Gland
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Thrombosis	Moderate
* Clitoral Gland		Inflammation	Moderate
[ Inflammation TGLS = 3-6.1 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Vacuolization Cytoplasmic TGLS = 4-6.1 ]			
* Lymph Node			
Note: TGL # 02 - NOTED GROSSLY AS LYMPH NODE,MANDIBULAR WAS SALIVARY GLAND			
* Mammary Gland		Hyperplasia	Mild
[ Hyperplasia TGLS = 1-5.1 ]			
* Ovary		Atrophy	Mild
* Salivary Glands	Parotid GI	Adenoma	
[ Adenoma TGLS = 2-13 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 165

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100165

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

Bilateral, C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 166

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100166

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Mild
Note: PATHOLOGIST NOTED: LESION IS LOCATED ON SLIDE # 14			
* Eye			
Note: TGL # 02 - NO MICROSCOPIC CORRELATE			
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
[ Hyperplasia TGLS = 4-6 ]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
[ Cyst TGLS = 3-6.1 ]			
* Skin			
Note: TGL # 01 - NO MICROSCOPIC CORRELATE			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 167

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100167

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina		

**OBSERVATIONS**

* Clitoral Gland			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 14			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Pigmentation	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-6 ]			
* Lymph Node	Mandibular	Ectasia	Mild
[ Ectasia TGLS = 1,2-13 ]			
* Ovary		Cyst	
[ Cyst TGLS = 3-14 ]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland			
Note: TGL # 06 - NO MICROSCOPIC CORRELATE			
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 4-14 ]			
* Zymbal's Gland		Adenoma	
[ Adenoma TGLS = 7-16 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 167

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100167

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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Animal Note: TGL # 07 - NOTED GROSSLY AS EAR WAS ZYMBAL'S GLAND

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 168

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100168

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Bone Marrow		Atrophy	Minimal
* Clitoral Gland		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
		Inflammation	Minimal
* Intestine Large	Colon, Lymphoid Tiss	Hyperplasia	Mild
[ Hyperplasia TGLS = 4-4 ]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Mild
[ Metaplasia TGLS = 5-16.1 ]		Metaplasia	Mild
* Liver		Infiltration Cellular	Lymphocyte, Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node			
Note: TGL # 02 - NO MICROSCOPIC CORRELATE (LUMBAR, LYMPH NODE, NORMAL)			
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 168

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100168

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3-6.1 ]

\* Uterus

Endometrium

Adenoma

Note: TGL # 01 - NO MICROSCOPIC CORRELATE

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 169

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100169

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Myelostromal Proliferation	Marked
* Clitoral Gland		Inflammation	Mild
[ Inflammation TGLS = 1-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Mild
		Fibroadenoma	
* Mammary Gland			
[ Fibroadenoma TGLS = 2-5.1 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6.1 ]			
* Spleen		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 169

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100169

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Polyp Stromal TGLS = 3-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 170

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 714

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100170

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Vagina Sarcoma

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Animal Note: COD... PROBABLE-Vagina,Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 172

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 715

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100172

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Esophagus	* Eye	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Nose	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland		Carcinoma	
[ Carcinoma TGLS = 1-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large	Cecum, Lymphoid Tiss	Hyperplasia	Mild
	Colon, Lymphoid Tiss	Hyperplasia	Mild
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Necrosis	Mild
[ Eosinophilic Focus TGLS = 4,5-6 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 6-7+7.1 ]			
* Mammary Gland	Duct	Dilatation	Mild
* Ovary		Cyst	
[ Cyst TGLS = 2-14 ]			
* Pancreas	Acinus	Atrophy	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 172

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 715

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100172

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Parathyroid Gland

Note: PER PATHOLOGIST NO RECUT

\* Thyroid Gland

C Cell

Adenoma

Follicle

Cyst

Mild

\* Vagina

Schwannoma Malignant

[ Schwannoma Malignant TGLS = 3-14.1 ]

---

PRIMARY CAUSE OF DEATH

- Vagina Schwannoma Malignant

---

Animal Note: COD... PROBABLE-Vagina,Schwannoma Mal

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 173

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100173

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[ Basophilic Focus TGLS = 3-6 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-5 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Angiectasis	Mild
[ Angiectasis TGLS = 2-6 ]			
* Skin			
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 174

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100174

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Bone Marrow		Atrophy	Mild
* Clitoral Gland		Inflammation	Mild
[ Inflammation TGLS = 1-6 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
[ Hyperplasia TGLS = 4-6 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-5.1 ]			
* Skin	Epidermis	Hyperplasia	Moderate
		Inflammation	Moderate
[ Hyperplasia TGLS = 5-5.1 ]			
[ Inflammation TGLS = 5-5.1 ]			
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 3-14 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 175

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100175

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
[ Inflammation TGLS = 4-6 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Ovary			
Note: TGL # 02 - NO MICROSCOPIC CORRELATE			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 176

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100176

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Minimal
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Moderate
[ Dilatation TGLS = 1-6 ]			
[ Inflammation TGLS = 1-6 ]			
* Eye	Lids	Sarcoma	
[ Sarcoma TGLS = 3-11 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
[ Hyperplasia TGLS = 2-6 ]			
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 177

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100177

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Minimal
	Cortex	Hyperplasia	Focal, Minimal
* Clitoral Gland	Duct	Dilatation	Moderate
		Hyperplasia	Moderate
	[ Dilatation TGLS = 2-6.1 ]		
	[ Hyperplasia TGLS = 2-6.1 ]		
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
	[ Metaplasia TGLS = 3-16 ]		
* Liver		Basophilic Focus	Multiple
	[ Basophilic Focus TGLS = 4-6 ]		
* Mammary Gland		Fibroadenoma	
	[ Fibroadenoma TGLS = 1-5.1 ]	Galactocele	
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 5-6 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 177

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100177

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 178

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100178

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Clitoral Gland		Adenoma	
	Duct	Dilatation	Moderate
		Inflammation	Mild
[ Adenoma TGLS = 3-14 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 2-13 ]			
* Liver		Basophilic Focus	Multiple
	Bile Duct	Degeneration	Cystic, Mild
		Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
[ Degeneration TGLS = 7-6 ]			
[ Hyperplasia TGLS = 6-6 ]			
* Lung			
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-5.1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 178

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100178

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinar Cell	Adenoma	
	Acinus	Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 4-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:10  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 179

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 21280100179

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
[ Dilatation TGLS = 3-6.2 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	

[ Basophilic Focus TGLS = 2-6+6.1 ]

[ Hepatodiaphragmatic Nodule TGLS = 1-6.1 ]

\* Uterus

Note: TGL # 04 - NO MICROSCOPIC CORRELATE

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 180

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100180

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

\* Lymph Node - Mandibular

**OBSERVATIONS**

* Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 4-1 ]			
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Moderate
[ Dilatation TGLS = 1-6.1 ]			
[ Inflammation TGLS = 1-6.1 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
[ Nephropathy TGLS = 5-8 ]			
* Liver		Vacuolization Cytoplasmic	Moderate
[ Vacuolization Cytoplasmic TGLS = 6,8-6+6.2 ]			
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-16 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 180

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100180

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Pituitary Gland  
[ Adenoma TGLS = 3-6 ]

Pars Distalis

Adenoma

\* Stomach  
[ Hyperplasia TGLS = 7-4 ]  
[ Inflammation TGLS = 7-4 ]

Epithelium, Forestomach  
Forestomach

Hyperplasia  
Inflammation

Moderate  
Moderate

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 181

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100181

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
[ Basophilic Focus TGLS = 3,4-6+6.1 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[ Hyperplasia TGLS = 2-6 ]			
* Thymus		Cyst	
* Uterus		Hemorrhage	Moderate
		Polyp Stromal	
[ Hemorrhage TGLS = 1-14 ]			
[ Polyp Stromal TGLS = 1-14 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 182

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100182

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
* Clitoral Gland	Duct	Adenoma	
		Dilatation	Mild
			[ Adenoma TGLS = 2-6.1 ]
			[ Dilatation TGLS = 1-6.1 ]
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
			[ Hyperplasia TGLS = 8-6 ]
* Lung		Alveolar/Bronchiolar Adenoma	
			[ Alveolar/Bronchiolar Adenoma TGLS = 7-7 ]
* Mammary Gland		Fibroadenoma	
			[ Fibroadenoma TGLS = 3-16 ]
Mesentery	Fat	Necrosis	Mild
			[ Necrosis TGLS = 6-16.1 ]
* Ovary		Infiltration Cellular	Lymphocyte, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 182

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100182

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Infiltration Cellular TGLS = 5-14 ]

\* Skin

Note: TGL # 03 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

\* Uterus

Note: TGL # 04 - NO MICROSCOPIC CORRELATE

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PRIMARY CAUSE OF DEATH

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Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND-METAPLASIA,MILD ON SLIDE # 13R

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 183

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100183

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Mild
			[ Dilatation TGLS = 1-6.1 ] [ Inflammation TGLS = 1-6.1 ]
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization Nephropathy	Mild Minimal
* Liver		Leukemia Mononuclear	
			[ Leukemia Mononuclear TGLS = 5-6 ]
* Lung		Leukemia Mononuclear	
Mesentery		Accessory Spleen Leukemia Mononuclear	
			[ Accessory Spleen TGLS = 3-16 ] [ Leukemia Mononuclear TGLS = 3-16 ]
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
			[ Adenoma TGLS = 4-6.1 ]
* Spleen		Leukemia Mononuclear	
			[ Leukemia Mononuclear TGLS = 2-2 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 183

**TRT#:** 7  
**DOSE:** 91 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100183

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland  
\* Uterus

C Cell

Hyperplasia  
Polyp Stromal

Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 184

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100184

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Histiocyte, Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-16 ]			
* Liver		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Minimal
[ Eosinophilic Focus TGLS = 4-6.2 ]			
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Marked
[ Dilatation TGLS = 2-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
* Parathyroid Gl			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 184

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100184

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3-6.1 ]

\* Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 185

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100185

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
* Esophagus			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 08			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Galactocele	
[ Fibroadenoma TGLS = 2,3-5.2+5.3 ]			
[ Galactocele TGLS = 1-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6.1 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-2 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Vagina		Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 186

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100186

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-6.1 ]		
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	[ Infiltration Cellular TGLS = 1-13 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2 ]		
* Uterus	Cervix	Squamous Cell Papilloma	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 187

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100187

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Clitoral Gland [ Dilatation TGLS = 2-14 ]	Duct	Dilatation	Mild
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
		Tension Lipidosis	Moderate
Note: TGL # 07 - NO MICROSCOPIC CORRELATE [ Basophilic Focus TGLS = 6-6 ]			
* Mammary Gland [ Fibroadenoma TGLS = 3-5.2 ] [ Hyperplasia TGLS = 1-5.1 ]		Fibroadenoma Hyperplasia	Moderate
* Ovary Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Skin			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 187

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100187

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 01 & 03 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLS = 4-14.1 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 188

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100188

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
Note: TGL # 01 - NOTED GROSSLY AS CLITORAL GLAND WAS MAMMARY GLAND			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Lymphocyte, Mild
		Vacuolization Cytoplasmic	Mild
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	Multiple
		Hyperplasia	Mild
[ Fibroadenoma TGLS = 1-6 ]			
* Nose	Nasolacrim Dct	Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			
* Spleen		Pigmentation	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 189

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100189

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Mild
			[ Dilatation TGLS = 3-6 ] [ Inflammation TGLS = 3-6 ]
* Kidney		Mineralization Nephropathy	Mild Mild
* Liver		Eosinophilic Focus Inflammation Necrosis	Multiple Granulomatous, Focal, Mild Mild
			[ Eosinophilic Focus TGLS = 5,7-6+6.1 ] [ Necrosis TGLS = 6-6 ]
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	
			[ Cyst TGLS = 2-14 ]
* Pituitary Gland	Pars Distalis	Adenoma	
			[ Adenoma TGLS = 8-6 ]
* Thyroid Gland	C Cell	Adenoma	
* Urin Bladder			
			Note: TGL # 04 - NO MICROSCOPIC CORRELATE

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 189

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100189

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Polyp Stromal

[ Polyp Stromal TGLS = 1-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 190

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100190

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Esophagus
* Eye	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
		Inflammation	Mild
[ Dilatation TGLS = 1-6 ]			
[ Inflammation TGLS = 1-6 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart	Endocardium	Schwannoma Malignant	
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 2-16 ]			
* Liver		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 5-6.1 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[ Alveolar/Bronchiolar Adenoma TGLS = 3-7.1 ]			
* Lymph Node	Mesenteric	Ectasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 190

**TRT#:** 8  
**DOSE:** 272 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100190

**ORGAN AND ACCOUNTABLE SITE STATUS**

	Mesenteric	Hyperplasia	Lymphoid, Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
		Infiltration Cellular	Lymphocyte, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[ Hyperplasia TGLS = 4-6 ]		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 191

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100191

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Minimal
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 3-16 ]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6.1 ]			
* Stomach			
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Schwannoma Malignant	
[ Schwannoma Malignant TGLS = 1-14.1+14.2+14.3+14.4+14.5 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 192

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100192

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Mild
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 14			
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 4-6.1 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Infiltration Cellular	Lymphocyte, Moderate
[ Infiltration Cellular TGLS = 1-14 ]			
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Bilateral	Polyp Stromal	
Note: TGL # 02 - NO MICROSCOPIC CORRELATE			
[ Polyp Stromal TGLS = 3-14.1 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 193

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100193

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mesenteric
* Mammary Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Focal, Mild
	[ Hepatodiaphragmatic Nodule TGLS = 2-6.1 ]		
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Lymph Node	Mandibular	Ectasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Mild
		Cyst	
	[ Cyst TGLS = 1-14 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	Bilateral, C Cell	Carcinoma	
	[ Carcinoma TGLS = 3,4-6 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 194

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100194

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-16 ]			
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[ Inflammation TGLS = 2-6 ]		Vacuolization Cytoplasmic	Mild
[ Vacuolization Cytoplasmic TGLS = 2-6 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 195

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100195

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 6-1 ]			
* Clitoral Gland		Inflammation	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Moderate
[ Hyperplasia TGLS = 7-5.1 ]			
* Kidney		Mineralization	Mild
* Liver		Developmental Malformation	
[ Developmental Malformation TGLS = 5-6.1 ]			
* Lymph Node		Vacuolization Cytoplasmic	Mild
Note: TGL # 08 - NO MICROSCOPIC CORRELATE			
* Mammary Gland		Carcinoma	
[ Carcinoma TGLS = 2-16.1 ]			
[ Fibroadenoma TGLS = 1,3,-16+16.2 ]			
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 195

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100195

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 4-6.1 ]

\* Skin

Note: TGL # 01, 02, & 03 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 196

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100196

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 05 - NO MICROSCOPIC CORRELATE

\* Skin

Note: TGL # 03 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

\* Thyroid Gland

C Cell

Hyperplasia

Minimal

\* Uterus

Note: PATHOLOGIST NOTED: ADDITIONAL SECTION OF UTERUS LOCATED ON SLIDE # 05

Note: TGL # 04 - NO MICROSCOPIC CORRELATE

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 197

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100197

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mesenteric
* Mammary Gland	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	[ Hyperplasia TGLS = 2-13 ]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 1-6 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 198

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100198

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Esophagus	* 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	* Ovary
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation	Mild
	Duct	Hyperplasia	Mild
		Inflammation	Moderate
[ Inflammation TGLS = 1-6 ]			
* Eye	Bilateral, Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Mild
		Metaplasia	Mild
[ Metaplasia TGLS = 2-13 ]			
* Lymph Node	Mediastinal	Ectasia	Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
Note: TGL # 03 - NOTED GROSSLY AS LYMPH NODE,MANDIBULAR WAS MAMMARY GLAND			
[ Ectasia TGLS = 5-3 ]			
[ Hyperplasia TGLS = 4-2 ]			
* Mammary Gland		Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 198	<b>TRT#:</b> 9 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100198
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 3-13 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas			
Note: TGL # 04 - NOTED GROSSLY AS PANCREAS WAS LYMPH NODE,PANCREATIC			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Thymus			
Note: TGL # 05 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE,MEDIASTINAL			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 199

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100199

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-6 ]			
* Eye		Cataract	Mild
	Retina	Degeneration	Moderate
[ Cataract TGLS = 4-11 ]			
* Heart		Cardiomyopathy	Mild
* Intestine Large	Colon	Adenocarcinoma	
[ Adenocarcinoma TGLS = 5-16 ]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
Note: TGL # 06 - NO MICROSCOPIC CORRELATE			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-14 ]			
* Zymbal's Gland		Adenoma	
[ Adenoma TGLS = 3-16.1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 199

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100199

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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Animal Note: TGL # 03 - NOTED GROSSLY AS EAR WAS ZYMBAL'S GLAND

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 200

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100200

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Brain	Brain Stem, Hypothalamus	Compression	Mild
* Clitoral Gland		Hyperplasia	Minimal
		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 3-6 ]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[ Fibroadenoma TGLS = 1-5.1 ]		
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 2-6 ]		
* Spleen		Fibrosis	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 200

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100200

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 217

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 397

**DOSE:** 543 PPM

**DISP:** Natural Death

**HISTO:** 21280100217

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation	Mild
[ Dilatation TGLS = 1-6 ]			
* Eye	Retina	Autolysis	
* Kidney		Mineralization	Mild
* Mammary GI			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 05.1			
* Ovary		Cyst	
[ Cyst TGLS = 2-14 ]			
* Skin			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 05.1			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 3-2 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

Animal Note: COD...UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 218

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 474

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100218

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Mild
* Kidney		Hydronephrosis	Mild
		Mineralization	Mild
[ Hydronephrosis TGLS = 4-8 ]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Lumbar	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-15 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 1-14 ]			

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 220

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 543

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100220

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**MISSING**

\* Lymph Node - Mesenteric

**OBSERVATIONS**

* Bone	Femur	Fibrous Osteodystrophy	Moderate
	Sternum	Fibrous Osteodystrophy	Moderate
* Bone Marrow		Atrophy	Moderate
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Eye	Retina	Autolysis	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node			
	Note: TGL # 03 - NOTED GROSSLY AS LYMPH NODE, MESENTERIC WAS MESENTERY		
	Mesentery	Sarcoma	
	[ Sarcoma TGLS = 3-5 ]		
* Ovary		Atrophy	Mild
		Cyst	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 220

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 543

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100220

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Cyst TGLS = 5-14 ]

\* Pancreas

Inflammation

Mild

[ Inflammation TGLS = 2-2 ]

\* Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 1-2 ]

\* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

Animal Note: TGL # 02 - NOTED GROSSLY AS LYMPH NODE,PANCREATIC WAS PANCREAS

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 231

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 562

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100231

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Atrophy	Mild
* Clitoral Gland		Inflammation	Mild
[ Inflammation TGLS = 1-6 ]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-5.1 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[ Hyperplasia TGLS = 3-14 ]			

**PRIMARY CAUSE OF DEATH** - Mammary Gland Fibroadenoma

Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 234

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 581

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100234

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Infarct	Mild
		Mineralization	Mild
		Nephropathy	Minimal
[ Infarct TGLS = 3-8 ]			
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
[ Leukemia Mononuclear TGLS = 7-6.1 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
[ Hyperplasia TGLS = 4-16 ]			
[ Infiltration Cellular TGLS = 4-16 ]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate

Note: PATHOLOGIST NOTED: HYPERPLASIA LOCATED ON SLIDES # 05 & 06  
 [ Fibroadenoma TGLS = 8-16.1 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 234

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 581

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100234

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Ovary		Cyst	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Minimal
[ Angiectasis TGLS = 5-6 ]			
* Skin			
Note: TGL # 08 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			
* Thymus			
Note: PATHOLOGIST NOTED: THYMIC AREA PRESENT - NO RECUT			
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[ Hyperplasia TGLS = 2-14+14.1 ]			

**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 239

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 617

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100239

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Mild
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
	[ Developmental Malformation TGLS = 2-6.2 ]		
* Mammary Gland		Fibroadenoma	
	[ Fibroadenoma TGLS = 1-16 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Skin			
	Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND		
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH** - Mammary Gland Fibroadenoma

Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 242

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 624

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100242

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Developmental Malformation	
	[ Developmental Malformation TGLS = 2-6.1 ]		
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
	[ Fibroadenoma TGLS = 1-16 ]	Hyperplasia	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 3-6 ]		

**PRIMARY CAUSE OF DEATH** - Pituitary Gland Pars Distalis Adenoma

Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:10  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 243

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 272 PPM

DISP: Moribund

HISTO: 21280100243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Clitoral Gland
* 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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,2,3-6.1 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mesenteric	Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-2 ]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 247	<b>TRT#:</b> 8 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 649 <b>HISTO:</b> 21280100247
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Hematopoietic Cell Proliferation TGLS = 3-2 ]		Hematopoietic Cell Proliferation	Moderate
* Uterus [ Hyperplasia TGLS = 2-14 ]	Endometrium	Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH** - Mammary Gland Carcinoma

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Animal Note: COD... PROBABLE-Mammary GI,Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 248

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 644

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100248

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* 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 - Mesenteric	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Moderate
* Brain	Cerebrum	Hemorrhage	Minimal
[ Hemorrhage TGLS = 5-1 ]			
* Clitoral Gland		Inflammation	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			
* Thymus		Leukemia Mononuclear	
* Tongue		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 248

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 644  
**HISTO:** 21280100248

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**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Uterus

Leukemia Mononuclear  
Polyp Stromal

[ Leukemia Mononuclear TGLS = 4-14 ]

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

Animal Note: TGL # 01 - NO SECTION TAKEN (PANCREATIC,LYMPH NODE)

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 249

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 645

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100249

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Clitoral Gland [ Inflammation TGLS = 3-6 ]		Inflammation	Moderate
* Eye	Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [ Fibroadenoma TGLS = 1,2-5.1+5 ]		Fibroadenoma	
* Pancreas	Acinus	Atrophy	Minimal

**PRIMARY CAUSE OF DEATH** - Mammary Gland Fibroadenoma

Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 253

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 665

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100253

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**AUTO PRECLUDES DIAG.**

* Intestine Large - Cecum	* Intestine Small - Ileum	* Parathyroid Gland	* Thyroid Gland
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**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
	Brain Stem	Hemorrhage	Mild
* Eye	Retina	Autolysis	
		Cataract	Mild
	Conjunctiva	Inflammation	Mild
* Kidney		Mineralization	Mild
		Pigmentation	Mild
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
[ Developmental Malformation TGLS = 2-6.1 ]			
[ Hepatodiaphragmatic Nodule TGLS = 1-6.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6+12 ]			
* Spleen		Pigmentation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 253

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 665

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 21280100253

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

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Animal Note: COD... PROBABLE-Pituitary GI,Adenoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 259

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 272 PPM

**DISP:** Natural Death

**HISTO:** 21280100259

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Esophagus
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Parathyroid Gland	* Peripheral Nerve
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Urinary Bladder	* Vagina		

**MISSING**

* Clitoral Gland	* Islets, Pancreatic	* Pancreas
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**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Moderate
[ Compression TGLS = 2-1 ]			
* Clitoral GI	Note: PATHOLOGIST NOTED: CLITORAL GLAND WAS OBSECURED BY MCL		
* Eye	Retina	Autolysis	
* Harderian Gland		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Minimal
* Liver	Centrilobular	Leukemia Mononuclear	
		Necrosis	Moderate
[ Leukemia Mononuclear TGLS = 7-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6,8,9-2+5+3.1 ]			
* Mammary Gland		Hyperplasia	Mild
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 259	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 701
	<b>DOSE:</b> 272 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 21280100259

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Nose		Leukemia Mononuclear
* Ovary		Leukemia Mononuclear
* Pancreas		
Note: PATHOLOGIST NOTED: PANCREAS OBSECURED BY MCL		
* Pituitary Gland	Pars Distalis	Adenoma
[ Adenoma TGLS = 1-6.1 ]		
* Salivary Glands		Leukemia Mononuclear
* Spleen		Leukemia Mononuclear
[ Leukemia Mononuclear TGLS = 4,5-2 ]		
* Stomach	Glandular	Leukemia Mononuclear
* Thymus		Leukemia Mononuclear
[ Leukemia Mononuclear TGLS = 3-3 ]		
* Thyroid Gland		Leukemia Mononuclear
* Tongue		Leukemia Mononuclear
* Trachea		Leukemia Mononuclear
* Uterus		Leukemia Mononuclear
* Zymbal's Gland		Leukemia Mononuclear

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 261

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Eye	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

* Esophagus	* Intestine Large - Rectum
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**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Mild
Note: TGL # 03 - NOTED GROSSLY AS CLITORAL GLAND WAS SKIN			
* Esophagus			
Note: PER PATHOLOGIST NO RECUT			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Hydronephrosis	Minimal
[ Hydronephrosis TGLS = 4-8 ]			
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Minimal Granulomatous, Focal, Mild
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Lung			
Note: TGL # 06 - NO MICROSCOPIC CORRELATE			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 261

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100261

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Adenoma TGLS = 7-6 ]

\* Salivary Glands

Parotid GI

Hypertrophy

Focal, Mild

\* Skin

Sarcoma

Note: TGL # 02 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

[ Sarcoma TGLS = 3-6.1 ]

\* Urinary Bladder

Hemorrhage

Moderate

Inflammation

Mild

[ Hemorrhage TGLS = 1-8 ]

[ Inflammation TGLS = 1-8 ]

PRIMARY CAUSE OF DEATH

- Skin Sarcoma

Animal Note: COD... PROBABLE-Skin,Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 262

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100262

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Bone Marrow		Atrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Granulomatous, Focal, Mild
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Mammary Gland		Hyperplasia	Mild
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 14			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
[ Cyst TGLS = 1-14 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
Note: PATHOLOGIST NOTED: LESION LOCATED ON SLIDE # 12			
[ Adenoma TGLS = 3-12 ]			
Tissue NOS	Abdominal	Lipoma	
[ Lipoma TGLS = 2-16 ]			
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 5-14 ]			

**PRIMARY CAUSE OF DEATH** - Tissue NOS Abdominal Lipoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 262

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100262

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND,METAPLASIA,MILD

Animal Note: COD... PROBABLE-Tissue NOS,Lipoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 263

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 272 PPM

**DISP:** Moribund

**HISTO:** 21280100263

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Clitoral Gland [ Dilatation TGLS = 1-6 ]	Duct	Dilatation	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Focal, Mild
* Mammary Gland [ Fibroadenoma TGLS = 2-5.1 ]		Fibroadenoma	
* Spleen		Stromal Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** - Mammary Gland Fibroadenoma

Animal Note: COD... PROBABLE-Mammary GI,Fibroadenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 266

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 706

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100266

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Bone	Femur	Osteopetrosis	Marked
	Sternum	Osteopetrosis	Marked
	Turbinates	Osteopetrosis	Marked
	Duct	Dilatation	Mild
* Clitoral Gland			
[ Dilatation TGLS = 2-6 ]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-5 ]			
* Mammary Gland		Adenoma	
		Leukemia Mononuclear	
[ Adenoma TGLS = 1-5.1 ]			
[ Leukemia Mononuclear TGLS = 1-5.1 ]			
* Skin			
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 266

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 706

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100266

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 3-2 ]

\* Thymus

Leukemia Mononuclear

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**PRIMARY CAUSE OF DEATH**

- Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 267

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100267

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Zymbal's Gland		

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
	[ Compression TGLS = 5-1 ]		
* Clitoral Gland		Inflammation	Mild
	[ Inflammation TGLS = 2-14 ]		
* Kidney		Mineralization	Mild
* Liver		Vacuolization Cytoplasmic	Moderate
	[ Vacuolization Cytoplasmic TGLS = 4-6 ]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
	Note: TGL # 01 - NOTED GROSSLY AS MAMMARY GLAND WAS SKIN		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 6-6 ]		
* Skin		Sarcoma	
	[ Sarcoma TGLS = 1-5.1 ]		
* Vagina		Exudate	Mucous, Mild
	[ Exudate TGLS = 3-14.1 ]		

**PRIMARY CAUSE OF DEATH** - Skin Sarcoma

Animal Note: COD... PROBABLE-Skin,Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 267

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100267

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 268

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 705

**DOSE:** 0 PPM

**DISP:** Moribund

**HISTO:** 21280100268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
* Brain	Brain Stem, Hypothalamus	Compression	Moderate
[ Compression TGLS = 3-1 ]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Developmental Malformation	
[ Developmental Malformation TGLS = 5-6 ]		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-6 ]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6.1 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 268

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 705  
**HISTO:** 21280100268

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Leiomyoma	
[ Leiomyoma TGLS = 1-14 ]			

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 339

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100339

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Ovary	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Atrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

[ Hyperplasia TGLS = 1-14 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 340

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100340

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Bone	Sternum	Fibrous Osteodystrophy	Minimal
* Clitoral Gland		Inflammation	Mild
[ Inflammation TGLS = 1-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
Note: TGL # 03 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[ Developmental Malformation TGLS = 2-6.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:10  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 341

TRT#: 7

SEX: Female

DAY ON TEST: 726

DOSE: 91 PPM

DISP: Terminal Sacrifice

HISTO: 21280100341

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
[ Dilatation TGLS = 1-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
	Mandibular	Hyperplasia	Minimal
* Lymph Node	Pars Distalis	Infiltration Cellular	Plasma Cell, Mild
* Pituitary Gland		Adenoma	
[ Adenoma TGLS = 2-6 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 342

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100342

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Mild
[ Inflammation TGLS = 1-6.1 ]			
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
[ Hyperplasia TGLS = 3-6 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-14 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 343

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100343

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-16.1 ]			
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[ Inflammation TGLS = 4-6 ]		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-16 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 343

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100343

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus

Note: TGL # 05 - NO MICROSCOPIC CORRELATE

\* Uterus

Polyp Stromal

[ Polyp Stromal TGLS = 2-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 344

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100344

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Mesenteric	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* 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	Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-6.1 ]		
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-16 ]		
* Mammary Gland		Hyperplasia	Mild
Mesentery		Accessory Spleen	
		Leukemia Mononuclear	
	Note: TGL # 03 - NOTED GROSSLY AS MESENTERY WAS LYMPH NODE,PANCREATIC		
	[ Accessory Spleen TGLS = 2-16.1 ]		
* Nose	Nasolacrim Dct	Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 344	<b>TRT#:</b> 7 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100344
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 345

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100345

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
* Brain	Brain Stem, Hypothalamus	Compression	Moderate
[ Compression TGLS = 6-1 ]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Minimal
* Eye		Phthisis Bulbi	
[ Phthisis Bulbi TGLS = 4-11 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Moderate
* Liver		Developmental Malformation	
		Inflammation	Granulomatous, Focal, Minimal
[ Developmental Malformation TGLS = 2-6 ]		Vacuolization Cytoplasmic	Moderate
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[ Fibroadenoma TGLS = 3-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 345	<b>TRT#:</b> 8 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100345
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Ovary [ Cyst TGLS = 1-14 ]		Atrophy Cyst	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [ Adenoma TGLS = 5-6.1 ]	Pars Distalis	Adenoma	
* Skin Note: TGL # 03 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 346

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100346

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Mild
* Bone Marrow		Atrophy	Moderate
* Clitoral Gland	Duct	Dilatation	Mild
	[ Dilatation TGLS = 1-6 ]		
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	[ Eosinophilic Focus TGLS = 2-6.1 ]		
* Thyroid Gland	C Cell	Adenoma	
* Tongue	Epithelium	Hyperplasia	Focal, Minimal
	[ Hyperplasia TGLS = 3-2 ]		

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 347

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100347

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Minimal
[ Compression TGLS = 4-1 ]			
* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large	Cecum	Inflammation	Marked
* Intestine Small	Ileum	Dilatation	Mild
	Ileum	Inflammation	Marked
[ Dilatation TGLS = 7-5 ]			
[ Inflammation TGLS = 8-5.1 ]			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Infiltration Cellular	Lymphocyte, Minimal
[ Infiltration Cellular TGLS = 9-6.2 ]			
* Lymph Node	Mesenteric	Ectasia	Moderate
[ Ectasia TGLS = 6-5 ]			
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
[ Atrophy TGLS = 3-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 347	<b>TRT#:</b> 8 <b>DOSE:</b> 272 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100347
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland [ Angiectasis TGLS = 5-6.1 ]		Angiectasis	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus [ Polyp Stromal TGLS = 2-14.1 ]		Polyp Stromal	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 348

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100348

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland [ Dilatation TGLS = 2-6.1 ]	Duct	Dilatation	Mild
* Kidney		Infiltration Cellular	Lymphocyte, Minimal
		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Lymphocyte, Minimal
* Skin	Epidermis	Hyperplasia	Mild
	Epidermis	Necrosis	Mild
[ Hyperplasia TGLS = 1-5.1 ]			
[ Necrosis TGLS = 1-5.1 ]			
* Uterus [ Polyp Stromal TGLS = 3-14 ]	Bilateral	Polyp Stromal	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 349

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100349

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Mammary Gland	* Nose
* Ovary	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
		Infiltration Cellular	Lymphocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Skin	Epidermis	Hyperplasia	Mild
	Epidermis	Necrosis	Minimal

[ Hyperplasia TGLS = 1,2,3-16+16.1+16.2 ]

[ Necrosis TGLS = 1,2,3-16+16.1+16.2 ]

**PRIMARY CAUSE OF DEATH**

-

Animal Note: PATHOLOGIST NOTED: LACRIMAL GLAND-METAPLASIA,MILD ON SLIDE # 13

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 350

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100350

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Eye		Cataract	Minimal
	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-13 ]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Note: TGL # 03 - NO MICROSCOPIC CORRELATE

[ Hyperplasia TGLS = 2-14 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 351

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100351

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* Clitoral Gland
* 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	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 7-1 ]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
[ Eosinophilic Focus TGLS = 4-6.2 ]		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 3-6.1 ]			
* Lymph Node	Pancreatic	Ectasia	Moderate
	Pancreatic	Hemorrhage	Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
[ Ectasia TGLS = 1-2 ]			
[ Hemorrhage TGLS = 1-2 ]			
[ Hyperplasia TGLS = 8-5 ]			
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Moderate

Note: TGL # 01 - NOTED GROSSLY AS PANCREAS WAS LYMPH NODE,PANCREATIC

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 351

**TRT#:** 9  
**DOSE:** 543 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100351

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland [ Adenoma TGLS = 6-6 ]	Pars Distalis	Adenoma
* Skin [ Basal Cell Carcinoma TGLS = 5-5.1 ]		Basal Cell Carcinoma
* Uterus [ Polyp Stromal TGLS = 2-14 ]		Polyp Stromal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 352

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100352

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Polyp Stromal

[ Polyp Stromal TGLS = 4-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 353

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100353

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Moderate
[ Dilatation TGLS = 2-6.1 ] [ Inflammation TGLS = 2-6.1 ]			
* Eye	Bilateral, Retina	Degeneration Infiltration Cellular Cardiomyopathy Mineralization Nephropathy Eosinophilic Focus Infiltration Cellular	Mild Lymphocyte, Minimal Minimal Mild Minimal Multiple Lymphocyte, Minimal
* Harderian Gland			
* Heart			
* Kidney			
* Liver			
[ Eosinophilic Focus TGLS = 4,5-6 ]			
* Lung	Alveolus	Infiltration Cellular Fibroadenoma Hyperplasia	Multifocal, Minimal Mild
* Mammary Gland			
[ Fibroadenoma TGLS = 3-16.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Epidermis	Necrosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 353	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 726
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100353

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 03 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND  
[ Necrosis TGLS = 1-16 ]

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 354

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100354

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Brain			
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			
* Clitoral Gland		Adenoma	
	Duct	Dilatation	Mild
[ Adenoma TGLS = 2-6 ]			
* Eye		Cataract	Minimal
	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6 ]			
* Skin	Epidermis	Hyperplasia	Mild
		Inflammation	Mild
[ Hyperplasia TGLS = 1-5.1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 354

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100354

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Tongue

Squamous Cell Papilloma

[ Squamous Cell Papilloma TGLS = 3-2 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 355

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100355

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Uterus
* Vagina	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-16 ]			
* Liver		Developmental Malformation	
	Bile Duct	Hyperplasia	Minimal
		Tension Lipidosis	Multiple, Mild
		Vacuolization Cytoplasmic	Minimal
[ Developmental Malformation TGLS = 3-6 ]			
[ Tension Lipidosis TGLS = 5-6 ]			
* Lung	Alveolus	Inflammation	Multifocal, Minimal
	Alveolar Epith	Metaplasia	Squamous, Focal, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary			
Note: TGL # 02 - NO MICROSCOPIC CORRELATE			
* Pituitary Gland		Angiectasis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 355

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100355

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Angiectasis TGLS = 4-6 ]

\* Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 356

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100356

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Moderate
			[ Dilatation TGLS = 2-6 ] [ Inflammation TGLS = 2-6 ]
* Eye		Phthisis Bulbi	
			[ Phthisis Bulbi TGLS = 1-11 ]
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Developmental Malformation	
		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Mild
			[ Developmental Malformation TGLS = 3-6 ]
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas	Acinus	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 356

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100356

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 357

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100357

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Clitoral Gland [ Dilatation TGLS = 2,3-6.1 ]	Duct	Dilatation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
Lacrimal Gland [ Metaplasia TGLS = 1-16 ]		Nephropathy	Minimal
		Metaplasia	Mild
* Liver [ Hyperplasia TGLS = 5-6 ]	Bile Duct	Basophilic Focus	Multiple
		Hyperplasia	Minimal
* Mammary Gland [ Fibroadenoma TGLS = 6-16.1 ] [ Galactocele TGLS = 6-16.1 ]	Duct	Dilatation	Mild
		Fibroadenoma	
		Galactocele	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [ Angiectasis TGLS = 4-6.1 ]		Angiectasis	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 357

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100357

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

C Cell

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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Animal Note: TGL # 06 - NOTED GROSSLY AS TISSUE NOS WAS MAMMARY GLAND

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 358

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100358

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
[ Dilatation TGLS = 3-6 ] [ Inflammation TGLS = 3-6 ]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-16 ]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear Fibroadenoma	Mild
* Mammary Gland			
[ Fibroadenoma TGLS = 2-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Cyst	
[ Cyst TGLS = 6-6 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-2 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 358

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100358

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 5-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 359

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100359

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Brain [ Compression TGLS = 6-1 ]	Brain Stem, Hypothalamus	Compression	Minimal
* Clitoral Gland	Duct	Dilatation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland  [ Fibroadenoma TGLS = 1-5.1 ] [ Galactocele TGLS = 1-5.1 ]		Fibroadenoma	
		Galactocele	
Mesentery [ Necrosis TGLS = 3-16 ]	Fat	Necrosis	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland [ Adenoma TGLS = 5-6 ]	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 359

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100359

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus  
    Note: TGL # 04 - NO MICROSCOPIC CORRELATE

\* Thyroid Gland                      C Cell                      Hyperplasia                      Mild

\* Uterus                                      Polyp Stromal

    Note: TGL # 02 - NO MICROSCOPIC CORRELATE

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PRIMARY CAUSE OF DEATH                      -

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\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 360	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 726
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100360

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 361

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100361

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
[ Basophilic Focus TGLS = 7-6 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[ Fibroadenoma TGLS = 2-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Skin	Epidermis	Hyperplasia	Mild
		Inflammation	Mild
[ Hyperplasia TGLS = 1-5.1 ]			
[ Inflammation TGLS = 1-5.1 ]			
* Uterus	Cervix	Hypertrophy	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

**ANIMAL ID:** 361

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100361

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Sarcoma Stromal

[ Hypertrophy TGLS = 5-14.1 ]

[ Sarcoma Stromal TGLS = 4-14.1 ]

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 362

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100362

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Minimal
* Clitoral Gland	Duct	Dilatation	Mild
[ Dilatation TGLS = 1-6 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
[ Leukemia Mononuclear TGLS = 3-6 ]			
* Lung		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-7 ]			
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
Note: TGL # 05 - NO MICROSCOPIC CORRELATE			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 362

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100362

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 363

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100363

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5,6-11.1 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 8,12-6.1+6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mediastinal	Hemorrhage	Mild
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	[ Hemorrhage TGLS = 9-3 ]		
	[ Leukemia Mononuclear TGLS = 1,2,7,9,13-13+16+3+5 ]		
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 11-6 ]		
* Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 363

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100363

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 3-2 ]

\* Thymus

Note: TGL # 09 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL

\* Thyroid GI

Note: TGL # 10 - NO MICROSCOPIC CORRELATE

\* Vagina

Exudate

Mucous, Moderate

[ Exudate TGLS = 4-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 364

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100364

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Mild
		Metaplasia	Mild
[ Metaplasia TGLS = 1-16 ]			
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
		Mixed Cell Focus	
[ Developmental Malformation TGLS = 5-6.1 ]		Tension Lipidosis	Moderate
[ Mixed Cell Focus TGLS = 6-6.2 ]			
[ Tension Lipidosis TGLS = 7-6 ]			
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Infiltration Cellular	Lymphocyte, Moderate
Note: TGL # 04 - NOTED GROSSLY AS OVARY WAS VAGINA			
* Pancreas			
Note: TGL # 02 - NO MICROSCOPIC CORRELATE			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 364

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100364

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland [ Adenoma TGLS = 8-6 ]	Pars Distalis	Adenoma
* Uterus [ Hypertrophy TGLS = 3-14 ]	Cervix	Hypertrophy
* Vagina [ Cyst TGLS = 4-14 ]		Cyst

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:10  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 388

TRT#: 9

SEX: Female

DAY ON TEST: 726

DOSE: 543 PPM

DISP: Terminal Sacrifice

HISTO: 21280100388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

OBSERVATIONS

* Eye	Bilateral Retina	Cataract Degeneration Cardiomyopathy Mineralization Infiltration Cellular Inflammation Carcinoma Hyperplasia	Minimal Mild Minimal Mild Lymphocyte, Minimal Granulomatous, Focal, Minimal Moderate
* Mammary Gland			
[ Carcinoma TGLS = 1-5.1 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-6 ]			
* Skin			
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 389

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100389

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Bone	Cranium	Osteopetrosis	Moderate
	Femur	Osteopetrosis	Moderate
	Mandible	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Moderate
	[ Osteopetrosis TGLS = 2,3-16+16.1 ]		
* Clitoral Gland		Carcinoma	
	[ Carcinoma TGLS = 1-6 ]		
* Eye	Bilateral	Cataract	Minimal
	Bilateral, Retina	Degeneration	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Minimal
	[ Eosinophilic Focus TGLS = 4-6.1 ]		
* Lymph Node	Mediastinal	Hemorrhage	Moderate
	[ Hemorrhage TGLS = 5-3 ]		
* Nose	Nasolacrim Dct	Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 389	<b>TRT#:</b> 9 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100389
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus			
Note: TGL # 05 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL			
* Thyroid Gland	C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 390

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100390

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Clitoral Gland		Carcinoma	
[ Carcinoma TGLS = 1-6.1 ]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 5-6 ]			
[ Hyperplasia TGLS = 3-6 ]			
* Mammary Gland	Duct	Dilatation	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
* Uterus	Bilateral	Polyp Stromal	
[ Polyp Stromal TGLS = 2,4-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 390

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100390

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 391

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100391

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* Esophagus
* 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 - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Clitoral Gland	Duct	Adenoma	
		Dilatation	Mild
		Hyperplasia	Mild
		Inflammation	Mild
[ Adenoma TGLS = 2-6 ]			
[ Dilatation TGLS = 4-6 ]			
[ Inflammation TGLS = 4-6 ]			
* Eye	Retina	Degeneration	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[ Infiltration Cellular TGLS = 3-7 ]			
* Lymph Node	Mandibular	Ectasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 391	<b>TRT#:</b> 9 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100391
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Mammary Gland	Duct	Dilatation Hyperplasia	Mild Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

[ Adenoma TGLS = 1-6 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:10  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 392

TRT#: 9

SEX: Female

DAY ON TEST: 726

DOSE: 543 PPM

DISP: Terminal Sacrifice

HISTO: 21280100392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
Note: TGL # 01- NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 393

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Moribund

**HISTO:** 21280100393

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Leukemia Mononuclear	
* Bone Marrow		Atrophy	Moderate
* Clitoral Gland		Inflammation	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 6-6 ]		
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Leukemia Mononuclear	
	Thoracic	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,7-13+16 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[ Hyperplasia TGLS = 9-6.1 ]		
* Salivary Glands		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2 ]		
* Thyroid Gland			
	Note: TGL # 08 - NO MICROSCOPIC CORRELATE		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 393	<b>TRT#:</b> 9 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100393
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Uterus [ Polyp Stromal TGLS = 4-14 ] [ Thrombosis TGLS = 3-14 ]	Polyp Stromal Thrombosis	
* Vagina [ Hemorrhage TGLS = 5-14 ]	Hemorrhage	Moderate

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**PRIMARY CAUSE OF DEATH** - Spleen Leukemia Mononuclear

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Animal Note: COD... PROBABLE-Spleen,Leukemia Monuc

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:10  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 394

TRT#: 9

SEX: Female

DAY ON TEST: 726

DOSE: 543 PPM

DISP: Terminal Sacrifice

HISTO: 21280100394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Vagina	* Zymbal's Gland		

OBSERVATIONS

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Minimal
* Eye	Bilateral, Retina	Degeneration Infiltration Cellular	Mild Lymphocyte, Minimal
* Harderian Gland		Cardiomyopathy	Minimal
* Heart		Mineralization	Mild
* Kidney		Basophilic Focus	
* Liver	Bile Duct	Hyperplasia Vacuolization Cytoplasmic	Minimal Minimal
* Pancreas	Acinus	Atrophy	Mild
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 395

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100395

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland		Adenoma	
	Duct	Dilatation	Moderate
	[ Adenoma TGLS = 1-6 ]		
	[ Dilatation TGLS = 1-6 ]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Mild
		Metaplasia	Mild
	[ Metaplasia TGLS = 5-16 ]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Note: TGL # 03 - NO MICROSCOPIC CORRELATE		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-6 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 395

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100395

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 2-2 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 396

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100396

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland [ Dilatation TGLS = 2-6.1 ]	Duct	Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland [ Metaplasia TGLS = 4-16.1 ]		Nephropathy	Minimal
		Metaplasia	Mild
* Liver [ Hyperplasia TGLS = 8-6 ]	Bile Duct	Hyperplasia	Minimal
* Lymph Node [ Ectasia TGLS = 10-5 ]	Mesenteric	Ectasia	Mild
* Mammary Gland [ Fibroadenoma TGLS = 7-5.2 ] [ Galactocele TGLS = 3-5.1 ]		Fibroadenoma	
		Galactocele	
		Hyperplasia	Mild
* Ovary [ Infiltration Cellular TGLS = 6-14 ]		Infiltration Cellular	Lymphocyte, Moderate
* Pituitary Gland	Pars Distalis	Cyst	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 396

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100396

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Cyst TGLS = 9-6.1 ]			
* Skin	Epidermis	Hyperplasia	Mild
	Epidermis	Necrosis	Minimal
[ Hyperplasia TGLS = 1-16 ]			
[ Necrosis TGLS = 1-16 ]			
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 5-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 397

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100397

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Gland	Cortex	Degeneration	Moderate
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
	[ Dilatation TGLS = 4-6.1 ]		
	[ Inflammation TGLS = 4-6.1 ]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Focal, Minimal
	[ Basophilic Focus TGLS = 2-6 ]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[ Fibroadenoma TGLS = 1-5.1 ]		
	[ Hyperplasia TGLS = 5-5.2 ]		
* Pancreas	Acinus	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 397	<b>TRT#:</b> 6 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100397
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland [ Adenoma TGLS = 3-6.1 ]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 398

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100398

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland [ Angiectasis TGLS = 6-11 ]	Cortex	Angiectasis	Mild
* Brain [ Compression TGLS = 4-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland [ Metaplasia TGLS = 1-16 ]		Metaplasia	Mild
* Liver [ Developmental Malformation TGLS = 7-6 ] [ Eosinophilic Focus TGLS = 3-6 ]		Developmental Malformation Eosinophilic Focus	
* Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Infiltration Cellular	Lymphocyte, Mild
* Pituitary Gland [ Adenoma TGLS = 5-6 ]	Pars Distalis	Adenoma	
* Uterus	Bilateral	Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 398

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100398

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Polyp Stromal TGLS = 2-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 399

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100399

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Bone Marrow		Atrophy	Minimal
* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 6-1 ]			
* Clitoral Gland	Duct	Dilatation	Mild
[ Dilatation TGLS = 3-6 ]		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
[ Hyperplasia TGLS = 5-6 ]			
* Mammary Gland		Galactocele	
[ Galactocele TGLS = 1,2-5.1+5.2 ]		Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6.1 ]			
* Skin			
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 399

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100399

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

C Cell

Hyperplasia

Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 400

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100400

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Brain [ Compression TGLS = 7-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Clitoral Gland [ Adenoma TGLS = 2-6.1 ]		Adenoma	
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
Lacrimal Gland [ Metaplasia TGLS = 1-16 ]		Nephropathy	Minimal
		Metaplasia	Mild
* Liver [ Eosinophilic Focus TGLS = 5-6 ]	Bile Duct	Eosinophilic Focus	Multiple
		Hyperplasia	Minimal
		Necrosis	Minimal
* Mammary Gland	Duct	Dilatation	Moderate
		Hyperplasia	Mild
Mesentery [ Necrosis TGLS = 3-16.1 ]	Fat	Necrosis	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 400

**TRT#:** 7  
**DOSE:** 91 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100400

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland [ Adenoma TGLS = 6-6.1 ]	Pars Distalis	Adenoma
* Thyroid Gland	C Cell	Adenoma
* Uterus [ Hypertrophy TGLS = 4-14 ]	Cervix	Hypertrophy

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:10  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 401

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100401

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
			[ Dilatation TGLS = 1-6 ] [ Inflammation TGLS = 1-6 ]
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
			[ Adenoma TGLS = 4-6 ]
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild
			[ Hyperplasia TGLS = 2-14 ] [ Polyp Stromal TGLS = 3-14 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 401

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100401

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 402

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100402

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Hyperplasia Inflammation	Mild Mild Mild
[ Dilatation TGLS = 1-6 ] [ Inflammation TGLS = 1-6 ]			
* Eye	Retina	Cataract Degeneration Infiltration Cellular	Minimal Moderate Lymphocyte, Minimal
* Harderian Gland		Cardiomyopathy	Minimal
* Heart		Mineralization	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus Hyperplasia Vacuolization Cytoplasmic	Multiple Minimal Minimal
[ Eosinophilic Focus TGLS = 5-6 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 3-5.2 ]			
* Skin	Epidermis	Hyperplasia	Mild
	Epidermis	Necrosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 402	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 726
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100402

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 4-5.1 ]			
[ Necrosis TGLS = 4-5.1 ]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 403

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100403

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Minimal
* Brain	Brain Stem, Hypothalamus	Compression	Minimal
[ Compression TGLS = 8-1 ]			
* Clitoral Gland	Duct	Dilatation	Mild
[ Dilatation TGLS = 1,2-6 ]		Inflammation	Minimal
[ Inflammation TGLS = 1,2-6 ]			
* Harderian GI			
Note: TGL # 06 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 3-5 ]		Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 403	<b>TRT#:</b> 9 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100403
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Ovary

Note: TGL # 05 - NO MICROSCOPIC CORRELATE

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-6 ]			
* Uterus	Cervix	Hypertrophy	
[ Hypertrophy TGLS = 4-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 404

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100404

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 7-1 ]			
* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-6.1 ]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
[ Degeneration TGLS = 8-6 ]			
* Mammary Gland		Carcinoma	
		Hyperplasia	Mild
[ Carcinoma TGLS = 2-5 ]			
Mesentery		Accessory Spleen	
[ Accessory Spleen TGLS = 3-16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Thymus		Cyst	
* Uterus	Cervix	Hypertrophy	
Note: TGL # 04 - NO MICROSCOPIC CORRELATE			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 404

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100404

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hypertrophy TGLS = 5-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 405

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100405

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
* Esophagus			
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 02.2			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Infiltration Cellular	Lymphocyte, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Inflammation	Multifocal, Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Infiltration Cellular	Lymphocyte, Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[ Carcinoma TGLS = 2-6 ]			
* Trachea		Inflammation	Chronic, Mild
Note: PATHOLOGIST NOTED: TISSUE LOCATED ON SLIDE # 05			
* Urinary Bladder		Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 405

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** 91 PPM

**DISP:** Moribund

**HISTO:** 21280100405

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Polyp Stromal

[ Polyp Stromal TGLS = 1-14 ]

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**PRIMARY CAUSE OF DEATH** - Thyroid Gland Follicular Cel Carcinoma

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Animal Note: COD... PROBABLE-Thyroid GI,Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 406

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100406

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Skin
* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 6-1 ]			
* Clitoral Gland	Duct	Dilatation	Moderate
[ Dilatation TGLS = 1-6.3 ]		Inflammation	Mild
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney	Renal Tubule	Carcinoma	Minimal
[ Carcinoma TGLS = 4-8 ]		Mineralization	Minimal
* Liver		Nephropathy	
		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
Note: TGL # 09 - NO MICROSCOPIC CORRELATE			
Note: PAHOLOGIST NOTED: SLIDE # 06.4 IS FROM RENAL TUMOR NOT LIVER AS STATED ON HPR			
			[ Degeneration TGLS = 10-6.1 ]
			[ Leukemia Mononuclear TGLS = 11-6 ]
* Lymph Node	Lumbar	Ectasia	Moderate
	Renal	Ectasia	Mild
	Lumbar	Hyperplasia	Lymphoid, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>ANIMAL ID:</b> 406	<b>TRT#:</b> 6 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100406
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**ORGAN AND ACCOUNTABLE SITE STATUS**

	Renal	Hyperplasia	Lymphoid, Mild
[ Ectasia TGLS = 5,8-16.1+16 ]			
[ Hyperplasia TGLS = 5,8-16.1+16 ]			
* Mammary Gland	Duct	Dilatation Hyperplasia	Mild Moderate
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-6.3 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Cervix	Hypertrophy Inflammation Polyp Stromal	Minimal
[ Hypertrophy TGLS = 3-14.1 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 407

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100407

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinates	Osteopetrosis	Mild
* Clitoral Gland	Duct	Adenoma	
		Dilatation	Mild
		Inflammation	Moderate
[ Adenoma TGLS = 3-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Focal, Marked
		Necrosis	Mild
[ Inflammation TGLS = 6-6 ]			
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[ Fibroadenoma TGLS = 2-5.1 ]			
* Nose	Nasolacrimal Duct	Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 407	<b>TRT#:</b> 6 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100407
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Ovary [ Cyst TGLS = 4-14 ]		Cyst	
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland [ Adenoma TGLS = 5-6.1 ]	Pars Distalis	Adenoma	
* Skin Note: TGL # 02 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND [ Basal Cell Adenoma TGLS = 1-5.2 ]		Basal Cell Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 408

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100408

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Pancreas [ Atrophy TGLS = 2-2 ]	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen [ Leukemia Mononuclear TGLS = 1-2 ]		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Uterus [ Hypertrophy TGLS = 5-14.1 ]	Cervix	Hypertrophy Polyp Stromal	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 409

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100409

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Thymus

**OBSERVATIONS**

* Brain [ Compression TGLS = 3-1 ]	Brain Stem, Hypothalamus	Compression	Mild
* Clitoral Gland [ Adenoma TGLS = 1-6.1 ]	Duct	Adenoma Dilatation Hyperplasia	Moderate Moderate
* Eye	Retina	Autolysis	
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland [ Adenoma TGLS = 2-6.1 ]	Pars Distalis	Adenoma	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 410

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100410

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland		Carcinoma	
		Leukemia Mononuclear	
[ Carcinoma TGLS = 1,2-6.2+5.1 ]			
[ Leukemia Mononuclear TGLS = 1-6.2 ]			
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-6 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6,8-16+5 ]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
Note: TGL # 02 - NOTED GROSSLY AS MAMMARY GLAND WAS CLITORAL GLAND			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-6.1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 410

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100410

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen  
[ Leukemia Mononuclear TGLS = 3-2 ]

Leukemia Mononuclear

\* Uterus  
[ Leukemia Mononuclear TGLS = 5-14 ]

Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 411

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100411

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Moderate
* Clitoral Gland	Duct	Dilatation	Moderate
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
	[ Basophilic Focus TGLS = 5-6 ]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
		[ Dilatation TGLS = 1-5 ]	
		[ Hyperplasia TGLS = 1-5 ]	
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
		[ Cyst TGLS = 2-14 ]	
Oviduct		Leiomyoma	
		[ Leiomyoma TGLS = 4-16 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 411

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100411

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Pituitary Gland  
[ Adenoma TGLS = 3-6 ]

Pars Distalis

Adenoma

\* Stomach  
Note: TGL # 06 - NO MICROSCOPIC CORRELATE

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 412

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100412

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Hyperplasia	Mild
		Inflammation	Mild
[ Dilatation TGLS = 2-6 ]			
[ Inflammation TGLS = 2-6 ]			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[ Fibroadenoma TGLS = 1-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Cyst	
[ Cyst TGLS = 3-14 ]			
* Pancreas	Acinus	Atrophy	Minimal
		Infiltration Cellular	Lymphocyte, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 412	<b>TRT#:</b> 7 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100412
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland	Pars Distalis	Adenoma
* Uterus	Endometrium	Adenoma Polyp Stromal

[ Adenoma TGLS = 4-14.1 ]  
[ Polyp Stromal TGLS = 5-14.1 ]

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 413

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100413

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 6-1 ]			
* Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-5.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Focal, Minimal
* Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
[ Ectasia TGLS = 3-3 ]			
[ Hemorrhage TGLS = 3-3 ]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 413

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100413

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Skin Basal Cell Adenoma

[ Basal Cell Adenoma TGLS = 4-5.1 ]

\* Thymus

Note: TGL # 03 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL

\* Uterus

Cervix

Hypertrophy

[ Hypertrophy TGLS = 2-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 93029-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/NCTR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Leucomalachite green  
CAS Number: 129-73-7

Date Report Requested: 10/16/2014  
Time Report Requested: 08:04:11  
First Dose M/F: NA / NA  
Lab: NCTR

ANIMAL ID: 414

TRT#: 7

SEX: Female

DAY ON TEST: 726

DOSE: 91 PPM

DISP: Terminal Sacrifice

HISTO: 21280100414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

INSUFFICIENT TISSUE

\* Pituitary Gland

OBSERVATIONS

* Adrenal Gland	Cortex	Atrophy	Mild
* Bone Marrow		Atrophy	Minimal
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Moderate
	[ Dilatation TGLS = 1-6 ]		
	[ Inflammation TGLS = 1-6 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	
	[ Eosinophilic Focus TGLS = 4,6,7-6+6.1 ]		
	[ Hepatocellular Adenoma TGLS = 5-6 ]		
* Mammary Gland		Hyperplasia	Mild
Note: PATHOLOGIST NOTED: LESION LOCATED ON SLIDE # 13R			
* Nose	Nasolacrim Dct	Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 414

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100414

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Ovary

Infiltration Cellular

Lymphocyte, Mild

\* Uterus

Bilateral

Polyp Stromal

[ Polyp Stromal TGLS = 2,3-14.1 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 415

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100415

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
	[ Dilatation TGLS = 1,2-6 ]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Ovary			
	Note: TGL # 03 - NO MICROSCOPIC CORRELATE		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 5-6 ]		
* Uterus	Cervix	Hypertrophy	
	[ Hypertrophy TGLS = 4-14 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 416

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100416

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Minimal
Ear	Pinna	Neural Crest Tumor	
	[ Neural Crest Tumor TGLS = 1-16 ]		
* Eye		Phthisis Bulbi	
	[ Phthisis Bulbi TGLS = 2-11 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
	[ Hyperplasia TGLS = 3-6 ]		
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 417

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100417

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Moderate
[ Dilatation TGLS = 2-6 ]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Minimal
[ Metaplasia TGLS = 1-13 ]		Metaplasia	Mild
* Liver		Inflammation	Granulomatous, Focal, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 418

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100418

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Brain	Brain Stem, Hypothalamus	Compression	Mild
[ Compression TGLS = 4-1.1 ]			
* Clitoral Gland	Duct	Dilatation	Moderate
		Hyperplasia	Mild
		Inflammation	Mild
[ Dilatation TGLS = 1-6 ]			
[ Hyperplasia TGLS = 1-6 ]			
[ Inflammation TGLS = 2-6 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Developmental Malformation	
		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
[ Developmental Malformation TGLS = 9-6.1 ]			
* Lymph Node	Bronchial	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 6,7-16.1+16 ]			
* Mammary Gland	Duct	Dilatation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 418	<b>TRT#:</b> 7 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100418
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 8-16.2+16.3 ]		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Cyst Epithelial Inclusion	
	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-6 ]			
* Uterus	Cervix	Hypertrophy	
[ Hypertrophy TGLS = 3-14 ]			

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PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 08 - NOTED GROSSLY AS MESENTERY WAS MAMMARY GLAND

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 419

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100419

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Brain	Brain Stem, Hypothalamus	Compression	Minimal
[ Compression TGLS = 5-1 ]			
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
[ Dilatation TGLS = 3-6.1 ]			
[ Inflammation TGLS = 3-6.1 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hyperplasia TGLS = 4-6 ]			
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 419

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100419

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Skin  
[ Keratoacanthoma TGLS = 1-5.1 ]  
Keratoacanthoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 420

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100420

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Esophagus	* Eye	* Intestine Large - Cecum	* 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 - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
[ Dilatation TGLS = 1-6 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large	Colon, Lymphoid Tiss	Hyperplasia	Mild
[ Hyperplasia TGLS = 7-4.1 ]			
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Mild
[ Hyperplasia TGLS = 4-6.1 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Mild
[ Atrophy TGLS = 3-14 ]			
* Pancreas	Acinus	Atrophy	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 420

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100420

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 5-6 ]

\* Stomach

Note: TGL # 06 - NO MICROSCOPIC CORRELATE

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 421

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100421

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
[ Dilatation TGLS = 1-6 ]			
* Eye	Bilateral, Retina	Degeneration Infiltration Cellular	Mild Lymphocyte, Mild
* Harderian Gland		Cardiomyopathy	Mild
* Heart	Myocardium	Schwannoma Malignant	
[ Schwannoma Malignant TGLS = 3-3 ]			
* Kidney		Mineralization Nephropathy	Mild Minimal
* Liver		Eosinophilic Focus Inflammation Vacuolization Cytoplasmic	Granulomatous, Focal, Minimal Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	Follicular Cel	Carcinoma	
[ Carcinoma TGLS = 2-6 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 421

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100421

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 422

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100422

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Developmental Malformation	
		Infiltration Cellular	Lymphocyte, Minimal
	[ Developmental Malformation TGLS = 4-6 ]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
	[ Hyperplasia TGLS = 1-2 ]		
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
* Pancreas			
	Note: TGL # 01 - NOTED GROSSLY AS PANCREAS WAS LYMPH NODE,PANCREATIC		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[ Hyperplasia TGLS = 3-6 ]		
* Thymus		Cyst	
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
* Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 422

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100422

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Polyp Stromal TGLS = 2-14 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 423

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100423

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Brain - Brain Stem
* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Uterus	* Vagina
* Zymbal's Gland			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Bone Marrow		Atrophy	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-16 ]			
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Mild
		Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 4,5-6 ]			
* Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
[ Dilatation TGLS = 2-5 ]			
[ Hyperplasia TGLS = 2-5 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 423

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100423

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Ovary

Atrophy

Moderate

\* Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 3-6 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 424

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100424

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pituitary Gland	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Moderate
	[ Dilatation TGLS = 1-6 ]		
	[ Inflammation TGLS = 1-6 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
	[ Hyperplasia TGLS = 5-6 ]		
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	Multiple
		Hyperplasia	Mild
	[ Fibroadenoma TGLS = 2,3-5.1+5.2 ]		
* Salivary Glands		Sarcoma	
	[ Sarcoma TGLS = 4-13 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 425

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100425

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mandibular	* Lymph Node - Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* 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	Mild
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
[ Eosinophilic Focus TGLS = 3-6 ]			
* Lung	Alveolar Epith Alveolus	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [ Fibroadenoma TGLS = 1-5.1 ]		Fibroadenoma	
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Uterus [ Polyp Stromal TGLS = 4-14 ]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 426

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100426

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
* Eye	Retina	Degeneration Infiltration Cellular	Minimal Lymphocyte, Minimal
* Harderian Gland		Cardiomyopathy	Minimal
* Heart		Mineralization	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Fibroadenoma	Mild
* Mammary Gland [ Fibroadenoma TGLS = 2-5.2 ]			
* Pituitary Gland		Angiectasis	Mild
* Skin	Epidermis Epidermis	Hyperplasia Necrosis	Mild Mild
Note: TGL # 02 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND [ Hyperplasia TGLS = 1-5.1 ] [ Necrosis TGLS = 1-5.1 ]			
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Moderate
[ Polyp Stromal TGLS = 3-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 426

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100426

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 427

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100427

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland		Inflammation	Moderate
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
		Developmental Malformation	
		Eosinophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
	[ Developmental Malformation TGLS = 2-6.1 ]		
	[ Eosinophilic Focus TGLS = 3-6 ]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[ Hyperplasia TGLS = 7-7 ]		
	[ Infiltration Cellular TGLS = 7-7 ]		
* Lymph Node	Mesenteric	Ectasia	Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[ Fibroadenoma TGLS = 1,5-5.1+5.2 ]		
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 427

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100427

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 6-6 ]

\* Thyroid Gland

Follicle

Cyst

Minimal

\* Uterus

Cervix

Hypertrophy

Polyp Stromal

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[ Hypertrophy TGLS = 4-14 ]

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 428

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100428

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Eye	Cornea	Neovascularization Phthisis Bulbi	Mild
	[ Phthisis Bulbi TGLS = 3-11 ]		
* Kidney		Mineralization Nephropathy Degeneration Eosinophilic Focus	Mild Minimal Cystic, Mild Multiple
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear Necrosis Vacuolization Cytoplasmic	Mild Mild
	[ Leukemia Mononuclear TGLS = 5-6 ]		
* Lymph Node	Mesenteric	Ectasia Fibroadenoma Hyperplasia	Mild Minimal
* Mammary Gland			
	[ Fibroadenoma TGLS = 1-5.1 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 4-16 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 428	<b>TRT#:</b> 9 <b>DOSE:</b> 543 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100428
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland			
Note: PER PATHOLOGIST NO RECUT			
* Skin			
Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Cervix	Hypertrophy	
[ Hypertrophy TGLS = 2-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 429	<b>TRT#:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 726
	<b>DOSE:</b> 543 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 21280100429

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

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**MISSING**

\* Parathyroid Gland

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**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Moderate
	[ Dilatation TGLS = 1-6 ]		
	[ Inflammation TGLS = 1-6 ]		
* Eye	Bilateral, Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Focal, Minimal
		Vacuolization Cytoplasmic	Mild
* Lymph Node	Mesenteric	Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Parathyroid GI			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 429

**TRT#:** 9  
**DOSE:** 543 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100429

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 431

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100431

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina			

**MISSING**

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

* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Fibroadenoma	
* Mammary Gland			
[ Fibroadenoma TGLS = 1-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Minimal
* Parathyroid GI			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	Follicle	Cyst	Minimal
* Zymbals GI			
Note: PER PATHOLOGIST NO RECUT			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 432

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 543 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100432

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Clitoral Gland			
Note: TGL # 01 - NO MICROSCOPIC CORRELATE			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Moderate
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6 ]			
* Thyroid Gland	Follicular Cel	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 437

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100437

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Eye	Bilateral, Retina	Degeneration	Minimal
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
Lacrimal Gland		Infiltration Cellular	Lymphocyte, Minimal
		Metaplasia	Mild
[ Metaplasia TGLS = 3-13 ]			
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Granulomatous, Focal, Minimal
[ Hepatocellular Adenoma TGLS = 7-6 ]			
* Mammary Gland		Galactocele	
		Hyperplasia	Mild
[ Galactocele TGLS = 2,6-16.1+16.2 ]			
[ Hyperplasia TGLS = 1-16 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 437

**TRT#:** 6  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100437

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 5-6 ]

\* Thyroid Gland

C Cell

Hyperplasia

Minimal

\* Uterus

Polyp Stromal

[ Polyp Stromal TGLS = 4-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 438

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100438

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* Esophagus	* Harderian Gland	* 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
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Minimal
* Eye	Bilateral, Retina	Degeneration	Mild
* Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-5.1 ]			
* Kidney		Mineralization Nephropathy	Mild Minimal
* Liver		Basophilic Focus Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia Vacuolization Cytoplasmic	Minimal Minimal
* Mammary Gland		Fibroadenoma Hyperplasia	Mild
[ Fibroadenoma TGLS = 1-5.1 ]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 438

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100438

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS MAMMARY GLAND

[ Squamous Cell Papilloma TGLS = 2-16 ]

\* Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 439

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100439

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Minimal
* Clitoral GI			
Note: TGL # 01 - NO MICROSCOPIC CORRELATE			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Tension Lipidosis	Mild
[ Hyperplasia TGLS = 3-6 ]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Skin		Fibroma	
[ Fibroma TGLS = 2-5.1 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 440

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100440

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Mild
[ Dilatation TGLS = 2-6 ]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 1-16 ]			
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Moderate
* Lymph Node	Mesenteric	Ectasia	Moderate
	Mediastinal	Hemorrhage	Mild
	Mesenteric	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[ Ectasia TGLS = 5-5 ]			
[ Hemorrhage TGLS = 5,6-5+3 ]			
[ Hyperplasia TGLS = 6-3 ]			
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hyperplasia	Focal, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 440

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100440

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 3-2 ]

\* Thymus

Note: TGL # 06 - NOTED GROSSLY AS THYMUS WAS LYMPH NODE, MEDIASTINAL

\* Uterus

Polyp Stromal

[ Polyp Stromal TGLS = 4-14 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 441

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100441

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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 - Thoracic	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Cortex	Angiectasis	Mild
* Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Mild
	[ Dilatation TGLS = 2-6 ]		
	[ Inflammation TGLS = 2-6 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Granulomatous, Focal, Minimal
	[ Inflammation TGLS = 3-6.1 ]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[ Fibroadenoma TGLS = 1-5.1 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 442

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100442

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Moderate Moderate
[ Dilatation TGLS = 1-6 ] [ Inflammation TGLS = 1-6 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Multiple Minimal Granulomatous, Focal, Minimal
* Lymph Node			
Note: PATHOLOGIST NOTED: LYMPH NODE, MESENTERIC LOCATED ON SLIDE # 05.2			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-5.1 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-16 ]			
* Pituitary Gland	Pars Distalis	Angiectasis Cyst	Moderate
[ Angiectasis TGLS = 4-6 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 442

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100442

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 443

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100443

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Clitoral Gland		Adenoma	
	Duct	Dilatation	Mild
		Inflammation	Mild
	[ Adenoma TGLS = 2-6 ]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
	[ Eosinophilic Focus TGLS = 7,8,9-6+6.1 ]	Inflammation	Granulomatous, Focal, Minimal
* Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	[ Hemorrhage TGLS = 4-2 ]		
	[ Hyperplasia TGLS = 4-2 ]		
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>ANIMAL ID:</b> 443	<b>TRT#:</b> 7 <b>DOSE:</b> 91 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 726 <b>HISTO:</b> 21280100443
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Fibroadenoma TGLS = 1,3-5.1+5.2 ]			
* Pancreas	Acinus	Atrophy	Minimal
Note: TGL # 04 - NOTED GROSSLY AS PANCREAS WAS LYMPH NODE,PANCREATIC			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Uterus	Cervix	Hypertrophy	
[ Hypertrophy TGLS = 5-14 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 444

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100444

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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 - Thoracic	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Tongue	* Trachea
* Urinary Bladder	* Vagina		

**MISSING**

\* Zymbal's Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Hyperplasia Inflammation	Mild Mild Mild
	[ Dilatation TGLS = 1,2-6 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
		Infiltration Cellular	Lymphocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 445

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 91 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100445

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Ovary	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Vagina	* Zymbal's Gland

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Hyperplasia Inflammation	Mild Mild Mild
	[ Dilatation TGLS = 1-6 ]		
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia Inflammation	Minimal Granulomatous, Focal, Minimal
* Mammary GI			
Note: PER PATHOLOGIST NO RECUT			
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 446

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100446

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord - Thoracic	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Clitoral Gland		Hyperplasia	Marked
		Inflammation	Moderate
[ Hyperplasia TGLS = 1-6 ]			
[ Inflammation TGLS = 1-6 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
Lacrimal Gland		Metaplasia	Mild
[ Metaplasia TGLS = 5-16 ]			
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-6.1 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Lumbar	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[ Hyperplasia TGLS = 2-13 ]			
[ Leukemia Mononuclear TGLS = 7,9-5+16.1 ]			
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 446

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100446

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Necrosis TGLS = 4-16.1 ]			
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Thymus		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 10-3+3.1 ]			
* Uterus	Cervix	Hypertrophy	
[ Hypertrophy TGLS = 6-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 447

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100447

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Ovary	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Tongue	* Trachea	* Urinary Bladder	* Vagina
* Zymbal's Gland			

**MISSING**

\* Parathyroid Gland

**INSUFFICIENT TISSUE**

\* Thyroid Gland

**OBSERVATIONS**

* Bone	Femur	Osteopetrosis	Moderate
	Sternum	Osteopetrosis	Moderate
	Turbinate	Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
		Metaplasia	Mild
Lacrimal Gland			
[ Metaplasia TGLS = 1-16 ]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Granulomatous, Focal, Minimal
[ Eosinophilic Focus TGLS = 3-6.1 ]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 447

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100447

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Parathyroid GI

Note: PER PATHOLOGIST NO RECUT

\* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

[ Hyperplasia TGLS = 5-6 ]

\* Thyroid GI

Note: PATHOLOGIST NOTED: MOST OF THYROID CUT AWAY

Note: TGL # 04 - NO MICROSCOPIC CORRELATE

\* Uterus

Polyp Stromal

Note: PATHOLOGIST NOTED: STROMAL POLYP IS INFARCTED AND NECROTIC

[ Polyp Stromal TGLS = 2-14 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 448

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100448

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Uterus	* Zymbal's Gland	

**OBSERVATIONS**

* Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Cortex	Hyperplasia	Focal, Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Mild
[ Dilatation TGLS = 1-6 ]			
* Harderian Gland		Infiltration Cellular	Lymphocyte, Mild
* Kidney		Mineralization	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lymph Node	Mandibular	Ectasia	Mild
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Vagina		Metaplasia	Squamous, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 449

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100449

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder	* Vagina	* Zymbal's Gland	

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Mild
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Cyst	
[ Cyst TGLS = 1-14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 450

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100450

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone - Femur
* Bone Marrow	* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum
* 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
* Ovary	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Vagina	* Zymbal's Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Clitoral Gland	Duct	Dilatation Inflammation	Mild Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mesenchymal Tumor Benign Mineralization Nephropathy	Mild Minimal
	[ Mesenchymal Tumor Benign TGLS = 4-8 ]		
* Liver		Inflammation Vacuolization Cytoplasmic	Granulomatous, Focal, Minimal Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Minimal
* Parathyroid Gland			
	Note: PER PATHOLOGIST NO RECUT		
* Pituitary Gland	Pars Distalis	Cyst	
* Thyroid Gland	Follicular Cel	Carcinoma	
	[ Carcinoma TGLS = 3-6.1 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 450

**TRT#:** 8  
**DOSE:** 272 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 726  
**HISTO:** 21280100450

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Cervix

Hypertrophy  
Polyp Stromal

[ Hyperplasia TGLS = 1-14 ]

[ Hypertrophy TGLS = 2-14 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 451

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100451

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Blood Vessel	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord - Thoracic	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Tongue	* Trachea	* Urinary Bladder
* Uterus	* Vagina	* Zymbal's Gland	

**MISSING**

* Bone - Femur	* Thymus
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**OBSERVATIONS**

* Bone	Sternum	Osteopetrosis	Mild
	Turbinates	Osteopetrosis	Mild
* Clitoral Gland	Duct	Dilatation	Moderate
		Inflammation	Moderate
	[ Dilatation TGLS = 1-6.1 ]		
	[ Inflammation TGLS = 1-6.1 ]		
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
	Note: TGL # 02 - NO MICROSCOPIC CORRELATE		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Infiltration Cellular	Lymphocyte, Mild
* Pituitary Gland	Pars Distalis	Cyst	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 451

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100451

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**ANIMAL ID:** 452

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100452

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Gland - Cortex	* Blood Vessel	* Bone - Femur	* Bone Marrow
* Brain - Brain Stem	* Brain - Cerebellum	* Brain - Cerebrum	* 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	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord - Thoracic
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	* Uterus
* Vagina	* Zymbal's Gland		

**OBSERVATIONS**

* Adrenal Gland	Medulla	Pheochromocytoma Malignant	
	[ Pheochromocytoma Malignant TGLS = 3-11 ]		
* Clitoral Gland		Carcinoma	
	[ Carcinoma TGLS = 1-6.1+5.1 ]		
* Harderian Gland		Infiltration Cellular	Lymphocyte, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
* Liver		Degeneration	Cystic, Mild
	[ Degeneration TGLS = 4-6 ]	Infiltration Cellular	Lymphocyte, Minimal
		Inflammation	Granulomatous, Focal, Minimal
* Lymph Node	Mesenteric	Ectasia	Moderate
		Hyperplasia	Lymphoid, Moderate
	[ Ectasia TGLS = 5-5.2 ]		
	[ Hyperplasia TGLS = 5-5.2 ]		
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
	[ Fibroadenoma TGLS = 2-5.1 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 93029-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/NCTR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Leucomalachite green  
**CAS Number:** 129-73-7

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 08:04:11  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**ANIMAL ID:** 452

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 726

**DOSE:** 272 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 21280100452

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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**\*\* END OF REPORT \*\***