

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

<b>C Number:</b>	C88036
<b>Lock Date:</b>	08/10/1994
<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: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403371

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 2

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403372

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                 |                      |                         |
|-----------------|----------------------|-------------------------|
| * Heart         | Cardiomyopathy       | Minimal                 |
| * Kidney        | Nephropathy          | Minimal                 |
| * Prostate      | Inflammation         | Chronic Active, Minimal |
| * Thyroid Gland | Ultimobranchial Cyst | Minimal                 |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403373
---------------------	--------------------------------------	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal
* Prostate	Inflammation	Chronic Active, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403374

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* 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	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Intestine Small, Jejunum	Mineralization	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal
* Prostate	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403375

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal
* Pituitary Gland	Cyst	Moderate
* Prostate	Inflammation	Chronic Active, Minimal
* Thyroid Gland	Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403376
---------------------	--------------------------------------	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403377

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 8

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403378

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |            |                |         |
|------------|----------------|---------|
| * Heart    | Cardiomyopathy | Minimal |
| * Kidney   | Nephropathy    | Minimal |
| * Liver    | Inflammation   | Minimal |
| * Prostate | Inflammation   | Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403379

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal
* Prostate	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403380

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Prostate	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 11

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403381

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

\* Thyroid Gland

---

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Minimal

\* Liver

Hypertrophy

Minimal

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 12

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403382

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

\* Thyroid Gland

---

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Minimal

\* Liver

Hypertrophy

Minimal

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 13

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403383

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

**OBSERVATIONS**

* Kidney	Accumulation, Hyaline Droplet	Mild
	Nephropathy	Minimal
* Liver	Hypertrophy	Minimal
* Spleen	Congestion	Mild
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
* Thyroid Gland	Ultimobranchial Cyst	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 14

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403384

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

\* Thyroid Gland

**OBSERVATIONS**

Eye

Cataract

Marked

Retina

Dysplasia

Moderate

[ Cataract TGLS = 1-12 ]

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Minimal

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 15

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403385

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Thyroid Gland

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Mild
	Nephropathy	Mild
* Liver	Hypertrophy	Minimal
* Spleen	Congestion	Mild
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 16

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403386

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Thyroid Gland

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Mild
	Nephropathy	Mild
* Liver	Hypertrophy	Minimal
	Inflammation	Minimal
* Spleen	Congestion	Mild
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 17

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403387

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

\* Thyroid Gland

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Minimal

Inflammation

Minimal

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 18

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403388

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

\* Thyroid Gland

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Minimal

Inflammation

Minimal

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 19

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403389

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Thyroid Gland

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Mild
	Nephropathy	Mild
* Liver	Hypertrophy	Minimal
* Spleen	Congestion	Mild
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1875 PPM

DISP: Terminal Sacrifice

HISTO: 9403390

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

\* Thyroid Gland

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Minimal

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 5 <b>DOSE:</b> 3750 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403391
----------------------	---	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
		Ultimobranchial Cyst	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 5 <b>DOSE:</b> 3750 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403392
----------------------	---	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 23

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 3750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403393

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

\* Liver

Nephropathy

Mild

Hypertrophy

Mild

\* Spleen

Inflammation

Minimal

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 5 <b>DOSE:</b> 3750 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403394
----------------------	---	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Minimal
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 25

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 3750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403395

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

\* Liver

Nephropathy

Mild

Hypertrophy

Mild

\* Spleen

Inflammation

Minimal

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 3750 PPM

DISP: Terminal Sacrifice

HISTO: 9403396

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

**ANIMAL ID:** 27

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 3750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403397

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

\* Liver

Nephropathy

Minimal

Hypertrophy

Mild

\* Spleen

Arteriole

Inflammation

Mild

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 5 <b>DOSE:</b> 3750 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403398
----------------------	---	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
		Ultimobranchial Cyst	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 29

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 3750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403399

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

\* Liver

Nephropathy

Minimal

\* Spleen

Hypertrophy

Mild

\* Thyroid Gland

Follicular Cel

Congestion

Mild

Pigmentation

Minimal

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 30

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 3750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403400

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Minimal

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 31

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403401

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Minimal

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 32

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403402

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 33

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403403

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Mild

\* Spleen

Accessory Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

[ Accessory Spleen TGLS = 1-12 ]

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 7500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403404

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 35

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403405

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Moderate

\* Liver

Nephropathy

Mild

Hypertrophy

Mild

\* Spleen

Inflammation

Minimal

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 36

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403406

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Moderate

Nephropathy

Mild

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

**ANIMAL ID:** 37

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403407

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 38

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403408

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Minimal

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

**ANIMAL ID:** 39

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403409

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

\* Liver

Centrilobular

Nephropathy

Minimal

Degeneration

Minimal

Hypertrophy

Mild

Inflammation

Minimal

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 7500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403410

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

**ANIMAL ID:** 41

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403411

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403412

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
		Ultimobranchial Cyst	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 43

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403413

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403414
<b>OBSERVATIONS</b>			
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
<hr/> <b>PRIMARY CAUSE OF DEATH</b>			
-			

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 45	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403415

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403416

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Lymph Node, Mandibular

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Hypertrophy	Mild
		Inflammation	Minimal
	[ Hepatodiaphragmatic Nodule TGLS = 2-4 ]		
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403417

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 48

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403418

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403419

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

---

**ANIMAL ID:** 50

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403420

---

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Mild

\* Kidney

Accumulation, Hyaline Droplet

Mild

Nephropathy

Mild

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

Ultimobranchial Cyst

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403421

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Mild
* Liver		Hypertrophy	Moderate
* Pancreas		Atrophy	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Moderate
* Liver		Hypertrophy	Moderate
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Trachea		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403423

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* 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	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Mild
* Liver		Hypertrophy	Moderate
* Pancreas		Atrophy	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403424

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Moderate
* Liver		Hypertrophy	Moderate
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      |
| * Pancreas               | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                 |                |                                  |          |
|-----------------|----------------|----------------------------------|----------|
| * Heart         |                | Cardiomyopathy                   | Minimal  |
| * Kidney        |                | Accumulation, Hyaline Droplet    | Moderate |
|                 |                | Nephropathy                      | Mild     |
| * Liver         |                | Hypertrophy                      | Moderate |
| * Spleen        |                | Congestion                       | Mild     |
|                 |                | Hematopoietic Cell Proliferation | Minimal  |
|                 |                | Pigmentation                     | Minimal  |
| * Thyroid Gland | Follicular Cel | Hypertrophy                      | Minimal  |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Hypertrophy	Moderate
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
		Ultimobranchial Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403427

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Mild
* Liver		Hypertrophy	Moderate
* Pituitary Gland		Cyst	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403428

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Urinary Bladder

**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Moderate
* Seminal Vesicle		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Trachea		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403429

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Mild
* Liver		Hypertrophy	Moderate
* Prostate		Inflammation	Moderate
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403430

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 61

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403431

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 62

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403432

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Blood Vessel

\* Bone

\* Bone Marrow

\* Brain

\* Clitoral Gland

\* Esophagus

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Islets, Pancreatic

\* Kidney

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Mammary Gland

\* Nose

\* Ovary

\* Pancreas

\* Pituitary Gland

\* Salivary Glands

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Trachea

\* Urinary Bladder

\* Uterus

**MISSING**

\* Lung

\* Parathyroid Gland

**OBSERVATIONS**

\* Liver

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 63

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403433

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Bone Marrow  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Mammary Gland  
\* Parathyroid Gland  
\* Spleen  
\* Trachea

\* Adrenal Medulla  
\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Urinary Bladder

\* Blood Vessel  
\* Clitoral Gland  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Ovary  
\* Salivary Glands  
\* Stomach, Glandular  
\* Uterus

\* Bone  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Skin  
\* Thymus

**OBSERVATIONS**

\* Liver  
\* Thyroid Gland

Inflammation  
Ultimobranchial Cyst

Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 64

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403434

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Blood Vessel

\* Bone

\* Bone Marrow

\* Brain

\* Clitoral Gland

\* Esophagus

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Islets, Pancreatic

\* Kidney

\* Liver

\* Lung

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Mammary Gland

\* Nose

\* Ovary

\* Pancreas

\* Parathyroid Gland

\* Pituitary Gland

\* Salivary Glands

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Trachea

\* Urinary Bladder

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 65

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403435

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Blood Vessel

\* Bone

\* Bone Marrow

\* Brain

\* Clitoral Gland

\* Esophagus

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Islets, Pancreatic

\* Kidney

\* Lung

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Mammary Gland

\* Nose

\* Ovary

\* Pancreas

\* Parathyroid Gland

\* Pituitary Gland

\* Salivary Glands

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Trachea

\* Urinary Bladder

\* Uterus

**OBSERVATIONS**

\* Liver

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 66

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403436

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Bone Marrow  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Mammary Gland  
\* Salivary Glands  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Nose  
\* Skin  
\* Thymus  
\* Uterus

\* Blood Vessel  
\* Clitoral Gland  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Ovary  
\* Spleen  
\* Thyroid Gland

\* Bone  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Trachea

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver	Inflammation	Minimal
* Pancreas	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403437

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Liver	Inflammation	Minimal
* Pancreas	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 68

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403438

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Bone Marrow

\* Heart

\* Intestine Small, Duodenum

\* Liver

\* Mammary Gland

\* Pituitary Gland

\* Stomach, Forestomach

\* Trachea

\* Adrenal Medulla

\* Brain

\* Intestine Large, Cecum

\* Intestine Small, Ileum

\* Lung

\* Nose

\* Salivary Glands

\* Stomach, Glandular

\* Urinary Bladder

\* Blood Vessel

\* Clitoral Gland

\* Intestine Large, Colon

\* Intestine Small, Jejunum

\* Lymph Node, Mandibular

\* Ovary

\* Skin

\* Thymus

\* Uterus

\* Bone

\* Esophagus

\* Intestine Large, Rectum

\* Islets, Pancreatic

\* Lymph Node, Mesenteric

\* Pancreas

\* Spleen

\* Thyroid Gland

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

\* Kidney

Nephropathy

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 69

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 9403439

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Bone Marrow  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Stomach, Glandular

\* Adrenal Medulla  
\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lymph Node, Mandibular  
\* Ovary  
\* Salivary Glands  
\* Thymus

\* Blood Vessel  
\* Clitoral Gland  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Skin  
\* Thyroid Gland

\* Bone  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Mammary Gland  
\* Parathyroid Gland  
\* Stomach, Forestomach  
\* Uterus

**MISSING**

\* Liver

\* Spleen

\* Urinary Bladder

**OBSERVATIONS**

\* Kidney  
\* Trachea

Nephropathy  
Cyst

Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 70

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403440

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Blood Vessel

\* Bone

\* Bone Marrow

\* Brain

\* Clitoral Gland

\* Esophagus

\* Heart

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Intestine Large, Rectum

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Islets, Pancreatic

\* Kidney

\* Lung

\* Lymph Node, Mandibular

\* Lymph Node, Mesenteric

\* Mammary Gland

\* Nose

\* Ovary

\* Pancreas

\* Parathyroid Gland

\* Pituitary Gland

\* Salivary Glands

\* Skin

\* Spleen

\* Stomach, Forestomach

\* Stomach, Glandular

\* Thymus

\* Thyroid Gland

\* Trachea

\* Urinary Bladder

\* Uterus

**OBSERVATIONS**

\* Liver

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 4 <b>DOSE:</b> 1875 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403441
----------------------	---	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	Thyroid Gland	* Urinary Bladder
---------------	---------------	-------------------

---

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Hypertrophy	Minimal
	[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]		
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 72

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 1875 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403442

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Thyroid Gland

\* Urinary Bladder

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Minimal

\* Liver

Hepatodiaphragmatic Nodule

Hypertrophy

Minimal

Inflammation

Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]

\* Spleen

Congestion

Minimal

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1875 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403443

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Thyroid Gland	* Urinary Bladder
---------------	-------------------

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Minimal
* Liver	Hypertrophy	Minimal
* Spleen	Congestion	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 74	<b>TRT#:</b> 4 <b>DOSE:</b> 1875 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403444
----------------------	---	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	Thyroid Gland	* Urinary Bladder
---------------	---------------	-------------------

---

**OBSERVATIONS**

* Kidney	Accumulation, Hyaline Droplet	Minimal
* Liver	Hypertrophy	Minimal
* Spleen	Congestion	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 4 <b>DOSE:</b> 1875 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403445
----------------------	---	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Bone Marrow	Thyroid Gland	* Urinary Bladder
---------------	---------------	-------------------

---

**OBSERVATIONS**

* Kidney	Accumulation, Hyaline Droplet	Minimal
* Liver	Hypertrophy	Minimal
	Inflammation	Minimal
* Spleen	Congestion	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 76	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1875 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403446

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Thyroid Gland	* Urinary Bladder
---------------	-------------------

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Minimal
	Nephropathy	Minimal
* Liver	Hypertrophy	Minimal
	Inflammation	Minimal
* Spleen	Congestion	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1875 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403447

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Thyroid Gland	* Urinary Bladder
---------------	-------------------

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Minimal
	Inflammation	Minimal
* Liver	Hypertrophy	Minimal
	Inflammation	Minimal
Ovary	Cyst	Mild
[ Cyst TGLS = 1-10 ]		
* Spleen	Congestion	Mild
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 78	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1875 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403448

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Thyroid Gland	* Urinary Bladder
---------------	-------------------

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Minimal
	Nephropathy	Minimal
* Liver	Hypertrophy	Minimal
	Inflammation	Minimal
* Spleen	Congestion	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1875 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403449

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Thyroid Gland	* Urinary Bladder
---------------	-------------------

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Minimal
* Liver	Hypertrophy	Minimal
	Inflammation	Minimal
Ovary	Cyst	Moderate
[ Cyst TGLS = 1-10 ]		
* Spleen	Congestion	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 80	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1875 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403450

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Thyroid Gland	* Urinary Bladder
---------------	-------------------

---

**OBSERVATIONS**

* Bone Marrow	Hyperplasia	Minimal
* Kidney	Accumulation, Hyaline Droplet	Minimal
* Liver	Hypertrophy	Minimal
	Inflammation	Minimal
* Spleen	Congestion	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403451

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 82	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403452

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403453

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403454

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Anthraquinone

**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 18:32:50

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 85

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 3750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403455

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Bone Marrow

\* Urinary Bladder

---

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet

Minimal

\* Liver

Hypertrophy

Mild

\* Spleen

Inflammation

Minimal

Congestion

Minimal

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 86

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 3750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403456

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

\* Urinary Bladder

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet

Minimal

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Minimal

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01  
Test Type: 90-DAY  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 10/21/2014  
Time Report Requested: 18:32:50  
First Dose M/F: NA / NA  
Lab: BAT

---

ANIMAL ID: 87	TRT#: 6 DOSE: 3750 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 9403457
---------------	---------------------------	---	-----------------------------------

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

NORMAL

\* Urinary Bladder

---

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Hypertrophy	Mild
	[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]		
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 88	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 3750 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403458

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 89

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 3750 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403459

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

\* Urinary Bladder

**OBSERVATIONS**

\* Kidney

Accumulation, Hyaline Droplet

Minimal

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Minimal

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01  
Test Type: 90-DAY  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 10/21/2014  
Time Report Requested: 18:32:50  
First Dose M/F: NA / NA  
Lab: BAT

---

ANIMAL ID: 90	TRT#: 6 DOSE: 3750 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 9403460
---------------	---------------------------	---	-----------------------------------

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
Ovary		Cyst	Minimal
[ Cyst TGLS = 1-10 ]			
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 7500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403461

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Minimal
Ovary		Cyst	Moderate
[ Cyst TGLS = 1-10 ]			
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01  
Test Type: 90-DAY  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 10/21/2014  
Time Report Requested: 18:32:50  
First Dose M/F: NA / NA  
Lab: BAT

---

ANIMAL ID: 92	TRT#: 8 DOSE: 7500 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 9403462
---------------	---------------------------	---	-----------------------------------

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

NORMAL

\* Urinary Bladder

---

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Hypertrophy	Minimal
		Inflammation	Minimal
	[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]		
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01  
Test Type: 90-DAY  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 10/21/2014  
Time Report Requested: 18:32:50  
First Dose M/F: NA / NA  
Lab: BAT

---

ANIMAL ID: 93	TRT#: 8	SEX: Female	DAY ON TEST: 92
	DOSE: 7500 PPM	DISP: Terminal Sacrifice	HISTO: 9403463

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Hypertrophy	Mild
	[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]		
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 94	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 7500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403464

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 7500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403465

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 96

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 7500 PPM

DISP: Terminal Sacrifice

HISTO: 9403466

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:50

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 7500 PPM

DISP: Terminal Sacrifice

HISTO: 9403467

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 8 <b>DOSE:</b> 7500 PPM	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 9403468
----------------------	---	---	---

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 99	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 7500 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403469

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
Ovary		Cyst	Mild
[ Cyst TGLS = 1-10 ]			
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 100

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 7500 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403470

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 101	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403471

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 102

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403472

**ORGAN AND ACCOUNTABLE SITE STATUS**

**MISSING**

\* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 103

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403473

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Bone Marrow

**OBSERVATIONS**

* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 104

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403474

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 105	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403475

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:50  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 106

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403476

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:51  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 107	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 15000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9403477

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
Ovary		Cyst	Minimal
[ Cyst TGLS = 1-10 ]			
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01  
Test Type: 90-DAY  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 10/21/2014  
Time Report Requested: 18:32:51  
First Dose M/F: NA / NA  
Lab: BAT

---

ANIMAL ID: 108	TRT#: 10	SEX: Female	DAY ON TEST: 92
	DOSE: 15000 PPM	DISP: Terminal Sacrifice	HISTO: 9403478

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Urinary Bladder

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Hypertrophy	Mild
	[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]		
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:51  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 109

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403479

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Urinary Bladder

**OBSERVATIONS**

\* Bone Marrow

Hyperplasia

Minimal

\* Kidney

Accumulation, Hyaline Droplet

Minimal

Nephropathy

Minimal

\* Liver

Hypertrophy

Mild

\* Spleen

Congestion

Mild

Hematopoietic Cell Proliferation

Minimal

Pigmentation

Minimal

Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88036-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Anthraquinone  
**CAS Number:** 84-65-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:32:51  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 110

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 15000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 9403480

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Lung			
Note: heterotopic bone noted			
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403482

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403483

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403484

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
		Ultimobranchial Cyst	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403485

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403486

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Ovary		Cyst	Minimal
[ Cyst TGLS = 1-10 ]			
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403488

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Hypertrophy	Mild
		Inflammation	Minimal
	[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]		
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Trachea		Inflammation	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 88036-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 10/21/2014

Time Report Requested: 18:32:51

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 30000 PPM

DISP: Terminal Sacrifice

HISTO: 9403490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Uterus

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Hypertrophy	Mild
		Inflammation	Minimal
* Nose	Nasolacrim Dct	Inflammation	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
		Ultimobranchial Cyst	Minimal
* Trachea		Inflammation	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE