

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C88123
<b>Lock Date:</b>	06/04/1998
<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:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802201

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Parathyroid Gland

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**OBSERVATIONS**

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Jejunum [ Hyperplasia TGLS = 1-12 ]	Peyers Patch	Hyperplasia	Lymphoid, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Inflammation	Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802202

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                     |
| * Lymph Node, Mandibular | * 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                 | Inflammation   | Chronic Active, Minimal |
|                          | Nephropathy    | Minimal                 |
| * Lung                   | Hemorrhage     | Minimal                 |
| * Lymph Node, Mesenteric | Pigmentation   | Minimal                 |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802203

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

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**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Nose	Inflammation	Chronic Active, Minimal
* Pancreas	Infiltration Cellular	Lymphocyte, Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 4

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802204

**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	Mild
* Kidney	Nephropathy	Minimal
* Liver	Hepatodiaphragmatic Nodule	

[ Hepatodiaphragmatic Nodule TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 5

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802205

**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	Mild
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802206

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  | Hepatodiaphragmatic Nodule |         |
|          | Vacuolization Cytoplasmic  | Minimal |

[ Hepatodiaphragmatic Nodule TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 7

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802207

**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	Mild
* Kidney	Inflammation	Chronic Active, Minimal
* Liver	Inflammation	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802208

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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			

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**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9802209
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Minimal
* Pancreas	Inflammation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 10

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802210

**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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Inflammation	Chronic Active, Minimal
* Lung	Inflammation	Chronic Active, Minimal
* Pancreas	Infiltration Cellular	Mononuclear CI, Minimal
* Trachea	Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

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**ANIMAL ID:** 11

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802211

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Epididymis

Testes

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**OBSERVATIONS**

Kidney

Nephropathy

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 12

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802212

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 13

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802213

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 14

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802214

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Kidney

Testes

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 15

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802215

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

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**ANIMAL ID:** 16

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802216

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 17

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802217

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 18

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802218

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 19

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802219

---

**OBSERVATIONS**

Epididymis

Epithelium

Degeneration

Minimal

Kidney

Nephropathy

Minimal

Testes

Germinal Epith

Atrophy

Mild

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 20

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802220

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 21

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802221

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 22

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802222

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 23

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802223

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 24

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802224

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 25

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802225

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 26

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802226

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 27

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802227

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 28

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802228

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Kidney

Testes

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 29

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802229

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Kidney

Testes

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 30

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802230

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 31

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802231

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

Testes

Germinal Epith

Atrophy

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 32

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802232

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 33

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802233

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Kidney

Testes

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 34

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802234

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 35

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802235

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 36

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802236

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 37

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802237

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

Liver

Hepatodiaphragmatic Nodule

[ Hepatodiaphragmatic Nodule TGLS = 1-12 ]

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 38

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802238

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 39

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802239

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 40

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802240

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Kidney

Testes

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 41

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802241

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 42

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802242

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Kidney

Testes

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 80 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802243

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis	Testes
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**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatodiaphragmatic Nodule	
	Inflammation	Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-6 ]

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 44

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802244

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**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> 93
	<b>DOSE:</b> 80 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802245

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis	Kidney	Testes
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**OBSERVATIONS**

Liver	Hepatodiaphragmatic Nodule
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[ Hepatodiaphragmatic Nodule TGLS = 1-6 ]

---

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 46

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802246

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Kidney

Testes

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 9 <b>DOSE:</b> 80 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9802247
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Epididymis	Testes
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 1-12 ]			

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 48

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802248

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 49

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802249

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Epididymis

Testes

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 9 <b>DOSE:</b> 80 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 9802250
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Epididymis	Testes
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**OBSERVATIONS**

Intestine Small, Jejunum [ Hyperplasia TGLS = 1-12 ]	Peyers Patch	Hyperplasia	Lymphoid, Minimal
Kidney		Nephropathy	Minimal

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PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* 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
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis	Epithelium	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
Lymph Node	Mediastinal	Ectasia	Mild
[ Ectasia TGLS = 1-12 ]			
* Testes	Germinal Epith	Degeneration	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 160 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802252

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

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**OBSERVATIONS**

* Epididymis	Epithelium	Degeneration	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Inflammation	Chronic, Minimal
* Testes	Germinal Epith	Degeneration	Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone                   |
| * Bone Marrow              | * Brain                   | * Esophagus                 | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * 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     |
| * Trachea                  | * Urinary Bladder         |                             |                          |

OBSERVATIONS

- |                 |                |                       |                     |
|-----------------|----------------|-----------------------|---------------------|
| * Epididymis    | Epithelium     | Degeneration          | Minimal             |
| * Heart         |                | Cardiomyopathy        | Minimal             |
| * Testes        | Germinal Epith | Degeneration          | Minimal             |
| * Thymus        |                | Hemorrhage            | Minimal             |
| * Thyroid Gland |                | Cyst                  | Minimal             |
|                 |                | Infiltration Cellular | Lymphocyte, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 54

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802254

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Epididymis	Epithelium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Minimal
* Pancreas		Infiltration Cellular	Lymphocyte, Minimal
* Preputial Gland		Inflammation	Acute, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802255

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* 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**

* Epididymis	Epithelium	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 56	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 160 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802256

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	* Trachea	* Urinary Bladder	

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**OBSERVATIONS**

* Heart	Cardiomyopathy	Minimal
* Kidney	Inflammation	Chronic Active, Minimal
	Nephropathy	Minimal
* Liver	Inflammation	Chronic, Minimal
* Thyroid Gland	Cyst	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802257

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* 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
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Epididymis	Epithelium	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Testes	Germinal Epith	Degeneration	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |  |                |                            |                         |
|--|----------------|----------------------------|-------------------------|
| * Epididymis                               | Epithelium     | Degeneration               | Minimal                 |
| * Heart                                    |                | Cardiomyopathy             | Minimal                 |
| * Kidney                                   |                | Inflammation               | Chronic Active, Minimal |
| * Liver                                    |                | Hepatodiaphragmatic Nodule |                         |
|  |                | Inflammation               | Minimal                 |
| [ Hepatodiaphragmatic Nodule TGLS = 1-13 ] |                |                            |                         |
| Lymph Node                                 | Mediastinal    | Ectasia                    | Mild                    |
| [ Ectasia TGLS = 2-12 ]                    |                |                            |                         |
| * Testes                                   | Germinal Epith | Degeneration               | Mild                    |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 59

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802259

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis	Epithelium	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
* Testes	Germinal Epith	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 60

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802260

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Epididymis	Epithelium	Degeneration	Minimal
* Pancreas		Inflammation	Minimal
* Testes	Germinal Epith	Degeneration	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802261

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

---

**OBSERVATIONS**

* Kidney	Inflammation	Chronic Active, Minimal
* Liver	Inflammation	Chronic, Mild
* Lung	Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric	Hyperplasia	Histiocytic, Minimal
* Uterus	Hydrometra	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 62

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802262

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | * Bone                    |
| * Bone Marrow               | * Brain                  | * Clitoral Gland           | * Esophagus               |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * 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**

- |                          |                |                      |
|--------------------------|----------------|----------------------|
| * Kidney                 | Mineralization | Minimal              |
| * Liver                  | Inflammation   | Mild                 |
| * Lymph Node, Mesenteric | Hyperplasia    | Histiocytic, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 63

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802263

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, Mesenteric | * Mammary Gland            | * Nose                    | * Pancreas                  |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          | * Uterus                  |                             |

MISSING

- |                          |                     |
|--------------------------|---------------------|
| * Lymph Node, Mandibular | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

- |   |  |               |
|---|--|---------------|
| * Heart                                   | Cardiomyopathy                             | Minimal       |
| * Kidney                                  | Mineralization                             | Minimal       |
| * Liver                                   | Hepatodiaphragmatic Nodule<br>Inflammation | Chronic, Mild |
| [ Hepatodiaphragmatic Nodule TGLS = 2-6 ] |  |               |
| * Ovary                                   | Cyst                                       | Mild          |
| [ Cyst TGLS = 1-10 ]                      |  |               |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 64

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802264

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Bone Marrow  
\* Heart  
\* Intestine Small, Duodenum  
\* Lung  
\* Nose  
\* Salivary Glands  
\* Stomach, Glandular  
\* Urinary Bladder

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

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

\* Bone  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Mammary Gland  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Trachea

**OBSERVATIONS**

\* Kidney  
\* Liver  
\* Pancreas

Mineralization  
Inflammation  
Inflammation

Minimal  
Minimal  
Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 65

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802265

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Kidney	Mineralization	Minimal
* Liver	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric	Hyperplasia	Histiocytic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 66

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802266

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Mineralization	Minimal
* Liver	Inflammation	Minimal
* Pancreas	Inflammation	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 67

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802267

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Mineralization	Minimal
* Liver	Inflammation	Chronic, Mild
* Uterus	Hydrometra	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 68

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Pancreas
- \* Spleen
- \* Trachea

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

- \* Blood Vessel
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Salivary Glands
- \* Stomach, Glandular
- \* Uterus

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Ovary
- \* Skin
- \* Thymus

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                          |              |                         |
|--------------------------|--------------|-------------------------|
| * Kidney                 | Inflammation | Chronic Active, Minimal |
|                          | Nephropathy  | Minimal                 |
| * Liver                  | Inflammation | Chronic, Minimal        |
| * Lymph Node, Mandibular | Hemorrhage   | Minimal                 |
| * Lymph Node, Mesenteric | Hyperplasia  | Histiocytic, Minimal    |
| * Thyroid Gland          | Cyst         | Minimal                 |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 69	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9802269

---

**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	* 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
* Lymph Node, Mesenteric	Hyperplasia	Histiocytic, Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

**ANIMAL ID:** 70

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802270

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Mineralization	Minimal
* Liver	Inflammation	Chronic, Moderate
* Lymph Node, Mesenteric	Hyperplasia	Histiocytic, Minimal
* Uterus	Hydrometra	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 71

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802271

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 72

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802272

---

**OBSERVATIONS**

Liver

Inflammation

Minimal

Vacuolization Cytoplasmic

Minimal

[ Vacuolization Cytoplasmic TGLS = 1-7 ]

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 73

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802273

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 74

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802274

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 75

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802275

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 76

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802276

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 77

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802277

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 78

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802278

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 79

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802279

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 80

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802280

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 81

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802281

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 82

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802282

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 83

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802283

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 84

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802284

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 85

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802285

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 86

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802286

---

**OBSERVATIONS**

Liver

Hepatodiaphragmatic Nodule

[ Hepatodiaphragmatic Nodule TGLS = 1-11 ]

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 87

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802287

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 88

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802288

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 89

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802289

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 90

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802290

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 91

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802291

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 92

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802292

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 93

**TRT#:** 8

**DOSE:** 40 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 93

**HISTO:** 9802293

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 94

**TRT#:** 8

**DOSE:** 40 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 93

**HISTO:** 9802294

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 95

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802295

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 96

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802296

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 97

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802297

---

**OBSERVATIONS**

Liver

Hepatodiaphragmatic Nodule

Inflammation

Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-6 ]

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 98

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802298

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:07

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

**Lab:** BAT

---

**ANIMAL ID:** 99

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802299

---

**OBSERVATIONS**

Lymph Node

Mediastinal

Ectasia

Mild

[ Ectasia TGLS = 1-11 ]

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 100

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 40 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802300

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 101

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802301

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 102

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802302

---

**OBSERVATIONS**

Lymph Node, Mesenteric

[ Hyperplasia TGLS = 1-6 ]

Hyperplasia

Lymphoid, Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 103

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802303

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 104

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802304

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 105

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802305

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 106

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802306

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 107

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802307

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 108

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802308

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 109

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802309

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

---

**ANIMAL ID:** 110

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 80 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802310

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 88123-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Formamide

CAS Number: 75-12-7

Date Report Requested: 10/19/2014

Time Report Requested: 01:38:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 160 MG/KG

DISP: Terminal Sacrifice

HISTO: 9802311

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 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          |                          |                             |

OBSERVATIONS

- |                           |                   |         |
|---------------------------|-------------------|---------|
| * Intestine Large, Rectum | Parasite Metazoan |         |
| * Liver                   | Inflammation      | Minimal |
| * Uterus                  | Hydrometra        | Mild    |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

**ANIMAL ID:** 112

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802312

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Intermed	Cyst	Mild
* Thymus		Hemorrhage	Minimal
* Uterus		Hydrometra	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

**ANIMAL ID:** 113

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802313

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* 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**

* Kidney	Infiltration Cellular	Mononuclear CI, Minimal
	Mineralization	Minimal
* Liver	Inflammation	Chronic, Mild
* Lymph Node, Mandibular	Hyperplasia	Histiocytic, Minimal
* Lymph Node, Mesenteric	Atrophy	Mild
	Hyperplasia	Histiocytic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 114

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802314

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney	Mineralization	Minimal
* Liver	Hepatodiaphragmatic Nodule	
	Inflammation	Chronic, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-6 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 115

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802315

**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, 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	

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Liver	Hepatodiaphragmatic Nodule Inflammation	Mild
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[ Hepatodiaphragmatic Nodule TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

**ANIMAL ID:** 116

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802316

**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	* 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**

* Heart	Cardiomyopathy	Minimal
* Liver	Inflammation	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 117

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802317

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* 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**

* Kidney	Mineralization	Minimal
* Liver	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Formamide  
**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 01:38:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 118

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802318

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Kidney	Inflammation	Chronic Active, Minimal
	Mineralization	Minimal
* Liver	Inflammation	Mild
* Lymph Node, Mesenteric	Hyperplasia	Histiocytic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

**ANIMAL ID:** 119

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802319

**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

Hepatodiaphragmatic Nodule

Inflammation

Chronic, Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-6 ]

Tooth

Peridont Tiss

Inflammation

Chronic Active, Mild

Note: Hair shafts were embedded in th foci of inflammation.

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 88123-03

**Test Type:** 90-DAY

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Formamide

**CAS Number:** 75-12-7

**Date Report Requested:** 10/19/2014

**Time Report Requested:** 01:38:08

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

**Lab:** BAT

**ANIMAL ID:** 120

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 160 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9802320

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Inflammation	Chronic Active, Minimal
* Liver	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric	Hyperplasia	Histiocytic, Mild
* Uterus	Hydrometra	Minimal

**PRIMARY CAUSE OF DEATH** -

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE