

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

**C Number:** C02926

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |               |                             |
|-------------|---------------|-----------------------------|
| Kidney      | Tubule        | Pigmentation, Nos           |
| Liver       |               | Fibrosis, Cholangio         |
|             |               | Focal Cellular Change       |
|             | Centrilobular | Megalocytosis               |
| Spleen      |               | Depletion, Lymphoid         |
|             |               | Hyperplasia, Reticulum Cell |
|             | Capsule       | Inflammation, Chronic       |
| Testis      |               | Interstitial-Cell Tumor     |
| Thyroid     |               | Hyperplasia, Nos            |
| Unspecified |               | Fibroma                     |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Pituitary gland

Spleen

Hemangiosarcoma

Chromophobe Adenoma

Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Infarct, Nos

Liver

Cirrhosis, Nos

Pancreas

Atrophy, Nos

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Salivary gland

Submaxillary Gland Nos

Atrophy, Nos

Testis

Submaxillary Gland Nos

Regeneration, Nos

Unspecified

Multiple Organs Nos

Atrophy, Nos

Interstitial-Cell Tumor

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |                          |
|-----------------|--------------------------|
| Liver           | Hepatocellular Carcinoma |
| Pituitary gland | Chromophobe Adenoma      |
| Stomach         | Inflammation, Chronic    |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |           |                         |
|--------|-----------|-------------------------|
| Liver  | Bile Duct | Hyperplasia, Nos        |
|        |           | Necrosis, Nos           |
| Spleen |           | Hemangiosarcoma         |
| Testis |           | Interstitial-Cell Tumor |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver  
Pituitary gland  
Unspecified

Bile Duct  
Multiple Organs Nos

Hyperplasia, Nos  
Chromophobe Adenoma  
Osteosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Fibrosarcoma

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

|        |                |                         |
|--------|----------------|-------------------------|
| Heart  | Myocardium Nos | Degeneration, Nos       |
| Liver  |                | Fibrosis, Cholangio     |
| Spleen |                | Fibrosarcoma            |
| Testis | Capsule        | Inflammation, Chronic   |
|        |                | Interstitial-Cell Tumor |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |               |                             |
|-----------------|---------------|-----------------------------|
| Heart           |               | Degeneration, Nos           |
| Intestine Small | Mesentery Nos | Sarcoma, Nos                |
| Kidney          |               | Nephropathy                 |
| Liver           |               | Fibrosis, Cholangio         |
| Pituitary gland |               | Hyperplasia, Nos            |
| Spleen          |               | Hyperplasia, Reticulum Cell |
|                 | Capsule       | Inflammation, Chronic       |
| Testis          |               | Interstitial-Cell Tumor     |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                |                   |                             |
|----------------|-------------------|-----------------------------|
| Liver          |                   | Fibrosis, Cholangio         |
| Salivary gland | Parotid Gland Nos | Inflammation, Nos           |
| Spleen         |                   | Hyperplasia, Reticulum Cell |
|                | Capsule           | Inflammation, Chronic       |
| Testis         |                   | Interstitial-Cell Tumor     |
| Unspecified    |                   | Hematoma, Nos               |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                |                        |                           |
|----------------|------------------------|---------------------------|
| Kidney         |                        | Nephropathy               |
| Liver          |                        | Fibrosis, Cholangio       |
| Lung           | Bronchus               | Bronchiectasis            |
| Salivary gland | Submaxillary Gland Nos | Inflammation, Acute       |
|                | Parotid Gland Nos      | Inflammation, Necrotizing |
| Spleen         |                        | Hyperplasia, Focal        |
|                | Capsule                | Inflammation, Chronic     |
| Testis         |                        | Interstitial-Cell Tumor   |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                  |                              |
|-------------|------------------|------------------------------|
| Heart       |                  | Degeneration, Nos            |
| Kidney      |                  | Nephropathy                  |
| Liver       |                  | Hemangiosarcoma              |
| Lung        |                  | C-Cell Carcinoma, Metastatic |
| Spleen      |                  | Hemangiosarcoma              |
| Testis      |                  | Interstitial-Cell Tumor      |
| Thyroid     |                  | C-Cell Carcinoma             |
| Unspecified | Abdominal Cavity | Hemangiosarcoma              |

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

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**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Nephropathy

Pituitary gland

Hyperplasia, Nos

Stomach

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Bile Duct

Fibrosis

Spleen

Hyperplasia, Nos

Testis

Sarcoma, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Necrosis, Nos

Kidney

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Neoplastic Nodule

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Liver

Pituitary gland

Spleen

Testis

Capsule

Nephropathy

Fibrosis, Cholangio

Focal Cellular Change

Granuloma, Nos

Hyperplasia, Nos

Fibrosarcoma

Inflammation, Chronic

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|          |                |                         |
|----------|----------------|-------------------------|
| Heart    | Myocardium Nos | Degeneration, Nos       |
| Kidney   |                | Nephropathy             |
| Liver    |                | Fibrosis, Cholangio     |
| Pancreas |                | Periarteritis           |
| Spleen   |                | Fibrosarcoma            |
| Testis   | Capsule        | Inflammation, Chronic   |
|          |                | Interstitial-Cell Tumor |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Tubule

Pigmentation, Nos

Liver

Centrilobular

Cytoplasmic Vacuolization

Lymph node

Mandibular Lymph Node

Hemorrhage

Mandibular Lymph Node

Siderosis

Spleen

Capsule

Inflammation, Focal

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Liver

Necrosis, Nos

Lung

Inflammation, Nos

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Testis

Unspecified

Multiple Organs Nos

Degeneration, Nos

Nephropathy

Interstitial-Cell Tumor

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|        |                           |
|--------|---------------------------|
| Liver  | Inflammation, Necrotizing |
| Spleen | Hemangiosarcoma           |
| Testis | Interstitial-Cell Tumor   |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Inflammation, Focal

Intestine Small

Mesentery Nos

Infarct, Nos

Spleen

Congestion, Nos

Unspecified

Mediastinum Nos

Cyst, Hemorrhagic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver

Pheochromocytoma  
Nephropathy  
Fibrosis, Cholangio  
Focal Cellular Change  
Neoplastic Nodule  
Osteosarcoma, Metastatic  
Periarteritis  
Hyperplasia, Nos  
Inflammation, Acute/Chronic  
Osteosarcoma  
Interstitial-Cell Tumor

Pancreas  
Pituitary gland  
Salivary gland  
Spleen  
Testis

Submaxillary Gland Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Spleen

Hyperplasia, Mesothelial

Capsule

Siderosis

Unspecified

Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Liver       |                     | Necrosis, Nos           |
| Testis      |                     | Interstitial-Cell Tumor |
| Unspecified | Multiple Organs Nos | Fibrosarcoma            |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Osteosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Spleen

Granuloma, Nos

Fibrosarcoma

Testis

Capsule

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|        |                |                         |
|--------|----------------|-------------------------|
| Heart  | Myocardium Nos | Fibrosis                |
| Kidney |                | Nephropathy             |
| Liver  |                | Fibrosis, Cholangio     |
|        |                | Focal Cellular Change   |
| Spleen |                | Fibrosarcoma            |
| Testis |                | Interstitial-Cell Tumor |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Spleen

Fibrosarcoma

Unspecified

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Lung        |                     | Bronchopneumonia, Nos   |
| Testis      |                     | Interstitial-Cell Tumor |
| Unspecified | Multiple Organs Nos | Osteosarcoma            |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver

Medulla

Hyperplasia, Nos  
Nephropathy  
Fibrosis, Cholangio  
Metamorphosis, Fatty

Pancreas  
Spleen

Red Pulp  
Capsule

Atrophy, Nos  
Hyperplasia, Nos  
Inflammation, Chronic  
Hyperplasia, Interstitial Cell

Testis

---

**PRIMARY CAUSE OF DEATH**

-

---



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                |                        |   |
|----------------|------------------------|---|
| Liver          |                        | Fibrosis, Cholangio<br>Granuloma, Nos         |
| Salivary gland | Submaxillary Gland Nos | Metamorphosis, Fatty<br>Inflammation, Chronic |
| Spleen         |                        | Fibrosarcoma                                  |
| Testis         |                        | Interstitial-Cell Tumor                       |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|             |                          |
|-------------|--------------------------|
| Heart       | Fibrosis                 |
| Kidney      | Nephropathy              |
| Spleen      | Neoplasm, Malignant, Nos |
| Testis      | Interstitial-Cell Tumor  |
| Unspecified | Basal-Cell Carcinoma     |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 400 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Cortex

Liver

Lung

Spleen

Testis

Capsule

Metamorphosis, Fatty

Fibrosis

Cyst, Nos

Nephropathy

Fibrosis, Cholangio

Hyperplasia, Alveolar Epithelium

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_101

**TRT#:** 2

**DOSE:** 200 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney  
Prostate  
Testis

Nephropathy  
Inflammation, Acute  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_102

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Spleen

Testis

Capsule

Fibrosis

Nephropathy

Fibrosis, Cholangio

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_103

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Salivary gland

Spleen

Testis

Thyroid

Submaxillary Gland Nos

Nephropathy

Fibrosis, Cholangio

Granuloma, Nos

Inflammation, Nos

Fibrosarcoma

Interstitial-Cell Tumor

Hyperplasia, Follicular Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_104

**TRT#:** 2

**DOSE:** 200 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Liver

Pancreas

Testis

Fibrosis

Fibrosis, Cholangio

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_105

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Mucinous Cystadenocarcinoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_106

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Mammary gland

Salivary gland

Parotid Gland Nos

Submaxillary Gland Nos

Fibrosis

Nephropathy

Fibrosis, Cholangio

Fibroadenoma

Inflammation, Nos

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_107

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Granuloma, Nos

Pancreas

Atrophy, Nos

Spleen

Capsule

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Liver

Spleen

Testis

Capsule

Fibrosis

Fibrosis, Cholangio

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_109

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain

Cerebrum

Gliosis

Liver

Fibrosis, Cholangio

Mammary gland

Fibroadenoma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_110

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Unspecified

Interstitial-Cell Tumor

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_112

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Salivary gland

Submaxillary Gland Nos

Inflammation, Necrotizing

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_113

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |                |                       |
|-----------------|----------------|-----------------------|
| Heart           | Myocardium Nos | Fibrosis              |
| Liver           |                | Focal Cellular Change |
| Pituitary gland |                | Chromophobe Adenoma   |
| Unspecified     | Adipose Tissue | Inflammation, Chronic |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_114

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Salivary gland

Spleen

Testis

Parotid Gland Nos

Submaxillary Gland Nos

Capsule

Metamorphosis, Fatty

Nephropathy

Fibrosis, Cholangio

Inflammation, Nos

Inflammation, Nos

Inflammation, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_115

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Pituitary gland

Cyst, Hemorrhagic

Salivary gland

Submaxillary Gland Nos

Inflammation, Acute/Chronic

Skin

Hyperkeratosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_116

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Preputial gland

Granuloma, Nos

Testis

Hyperplasia, Cystic

Unspecified

Interstitial-Cell Tumor

Fibroma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |                        |                          |
|-----------------|------------------------|--------------------------|
| Heart           |                        | Fibrosis                 |
| Intestine Small | Mesentery Nos          | Osteosarcoma, Metastatic |
| Liver           |                        | Fibrosis, Cholangio      |
| Lung            |                        | Osteosarcoma, Metastatic |
| Salivary gland  | Submaxillary Gland Nos | Inflammation, Nos        |
| Spleen          |                        | Osteosarcoma             |
| Testis          |                        | Interstitial-Cell Tumor  |
|                 |                        | Periarteritis            |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_118

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Fibrosis, Cholangio

Spleen

Red Pulp

Granuloma, Nos

Hyperplasia, Nos

Testis

Metamorphosis, Fatty

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_119

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|        |                                |
|--------|--------------------------------|
| Heart  | Fibrosis                       |
| Kidney | Nephropathy                    |
| Liver  | Fibrosis, Cholangio            |
|        | Granuloma, Nos                 |
| Testis | Hyperplasia, Interstitial Cell |
|        | Periarteritis                  |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_120

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |                        |                             |
|-----------------|------------------------|-----------------------------|
| Heart           |                        | Fibrosis                    |
| Liver           |                        | Fibrosis, Cholangio         |
| Pancreas        |                        | Atrophy, Nos                |
| Pituitary gland |                        | Hyperplasia, Focal          |
| Salivary gland  | Submaxillary Gland Nos | Inflammation, Acute/Chronic |
| Spleen          | Capsule                | Inflammation, Chronic       |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_121

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Testis

Granuloma, Nos

Thyroid

Interstitial-Cell Tumor

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_122

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|        |                              |
|--------|------------------------------|
| Heart  | Fibrosis                     |
| Liver  | Fibrosis, Cholangio          |
|        | Hepatocellular Carcinoma     |
|        | Neoplastic Nodule            |
| Lung   | Alveolar/Bronchiolar Adenoma |
| Testis | Interstitial-Cell Tumor      |
|        | Periarteritis                |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_123

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Spleen

Metamorphosis, Fatty

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Fibrosis

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Focal Cellular Change

Granuloma, Nos

Prostate

Inflammation, Acute

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Periarteritis

Unspecified

Basal-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_125

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Kidney

Nephropathy

Skin

Cyst, Epidermal Inclusion

Testis

Interstitial-Cell Tumor

Periarteritis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_126

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Spleen

Sarcoma, Nos

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_127

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Pituitary gland

Granuloma, Nos

Spleen

Hyperplasia, Focal

Testis

Hemangiosarcoma

Interstitial-Cell Tumor

Periarteritis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_128

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver  
Pituitary gland

Bile Duct

Hyperplasia, Nos  
Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_129

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|          |         |                         |
|----------|---------|-------------------------|
| Heart    |         | Fibrosis                |
| Kidney   |         | Nephropathy             |
| Liver    |         | Fibrosis, Cholangio     |
| Pancreas |         | Periarteritis           |
| Spleen   | Capsule | Inflammation, Chronic   |
| Testis   |         | Interstitial-Cell Tumor |
|          |         | Periarteritis           |
| Thyroid  |         | Hyperplasia, C Cell     |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_130

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Endocardium Nos

Fibroelastosis, Nos

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Spleen

Red Pulp

Hyperplasia, Nos

Testis

Capsule

Inflammation, Chronic

Interstitial-Cell Tumor

Periarteritis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_131

**TRT#:** 2

**DOSE:** 200 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Testis

Nephropathy

Fibrosis, Cholangio

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_132

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Liver

Pituitary gland

Bile Duct

Fibrosis, Diffuse

Hyperplasia, Focal

Hyperplasia, Focal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_133

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Pancreas

Spleen

Testis

Capsule

Nephropathy

Fibrosis, Cholangio

Granuloma, Nos

Periarteritis

Inflammation, Chronic

Interstitial-Cell Tumor

Periarteritis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_134

**TRT#:** 2

**DOSE:** 200 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Testis

Fibrosis

Nephropathy

Fibrosis, Cholangio

Atrophy, Nos

Interstitial-Cell Tumor

Periarteritis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_135

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Pituitary gland

Prostate

Testis

Fibrosis

Nephropathy

Fibrosis, Cholangio

Granuloma, Nos

Hyperplasia, Nos

Inflammation, Acute

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_136

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Pituitary gland  
Prostate  
Spleen  
Thyroid

Medulla  
  
  
  
  
Capsule

Hyperplasia, Nos  
Nephropathy  
Fibrosis, Cholangio  
Adenoma, Nos  
Inflammation, Acute  
Inflammation, Chronic  
Cyst, Colloid

---

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_137

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Pituitary gland

Adenoma, Nos

Spleen

Fibrosarcoma

Capsule

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_138

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|               |          |                         |
|---------------|----------|-------------------------|
| Adrenal gland | Medulla  | Hyperplasia, Nos        |
| Heart         |          | Fibrosis                |
| Kidney        |          | Nephropathy             |
| Liver         |          | Fibrosis, Cholangio     |
| Prostate      |          | Inflammation, Acute     |
| Spleen        | Red Pulp | Hyperplasia, Nos        |
|               | Capsule  | Inflammation, Chronic   |
| Testis        |          | Interstitial-Cell Tumor |
|               |          | Periarteritis           |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_139

**TRT#:** 2

**DOSE:** 200 PPM

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Spleen

Testis

Pheochromocytoma

Nephropathy

Fibrosis, Cholangio

Fibrosis

Metamorphosis, Fatty

Atrophy, Nos

Interstitial-Cell Tumor

Periarteritis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_140

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Salivary gland

Testis

Parotid Gland Nos

Thyroid

Nephropathy

Fibrosis, Cholangio

Focal Cellular Change

Inflammation, Chronic

Atrophy, Nos

Granuloma, Spermatic

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_141

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Metamorphosis, Fatty

Salivary gland

Parotid Gland Nos

Inflammation, Necrotizing

Submaxillary Gland Nos

Inflammation, Necrotizing

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_142

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                |                   |                         |
|----------------|-------------------|-------------------------|
| Heart          |                   | Degeneration, Nos       |
| Kidney         |                   | Nephropathy             |
| Liver          |                   | Fibrosis, Cholangio     |
| Prostate       |                   | Inflammation, Acute     |
| Salivary gland | Parotid Gland Nos | Inflammation, Acute     |
| Testis         |                   | Atrophy, Nos            |
|                |                   | Interstitial-Cell Tumor |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_143

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |          |                         |
|-----------------|----------|-------------------------|
| Kidney          |          | Nephropathy             |
| Lung            |          | Inflammation, Nos       |
| Pituitary gland |          | Hyperplasia, Nos        |
| Spleen          | Red Pulp | Hyperplasia, Nos        |
|                 | Capsule  | Inflammation, Chronic   |
| Testis          |          | Interstitial-Cell Tumor |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_144

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_145

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_146

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_147

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney  
Liver  
Pancreas  
Pituitary gland  
Prostate  
Testis

Medulla

Hyperplasia, Nos  
Fibrosis  
Nephropathy  
Fibrosis, Cholangio  
Periarteritis  
Hyperplasia, Nos  
Inflammation, Acute  
Atrophy, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_148

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Prostate

Inflammation, Acute

Stomach

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Urinary bladder

Inflammation, Acute

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_149

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|             |                     |                         |
|-------------|---------------------|-------------------------|
| Heart       |                     | Thrombosis, Nos         |
| Liver       |                     | Necrosis, Nos           |
| Testis      |                     | Interstitial-Cell Tumor |
| Unspecified | Multiple Organs Nos | Mesothelioma, Malignant |

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 2\_150

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 200 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Pancreas

Granuloma, Nos

Atrophy, Nos

Testis

Periarteritis

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_201

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

|                |                   |                                |
|----------------|-------------------|--------------------------------|
| Heart          |                   | Fibrosis                       |
| Kidney         |                   | Nephropathy                    |
| Salivary gland | Parotid Gland Nos | Inflammation, Necrotizing      |
| Skin           | Epidermis         | Hyperkeratosis                 |
| Testis         |                   | Hyperplasia, Interstitial Cell |
|                |                   | Interstitial-Cell Tumor        |

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_202

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Salivary gland

Testis

Parotid Gland Nos

Nephropathy

Inflammation, Necrotizing

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_203

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |                |                         |
|-----------------|----------------|-------------------------|
| Heart           | Myocardium Nos | Degeneration, Nos       |
| Kidney          |                | Nephropathy             |
| Liver           |                | Fibrosis, Cholangio     |
| Pituitary gland |                | Adenoma, Nos            |
| Testis          |                | Atrophy, Nos            |
|                 |                | Interstitial-Cell Tumor |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_204

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

|                 |                        |                           |
|-----------------|------------------------|---------------------------|
| Blood vessel    | Sup.Panc-Duod.Artery   | Inflammation, Chronic     |
| Heart           |                        | Fibrosis                  |
| Kidney          |                        | Nephropathy               |
| Pituitary gland |                        | Adenoma, Nos              |
| Salivary gland  | Parotid Gland Nos      | Inflammation, Necrotizing |
|                 | Submaxillary Gland Nos | Inflammation, Necrotizing |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_205

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Nephropathy

Liver

Fibrosis, Cholangio

Salivary gland

Parotid Gland Nos

Inflammation, Necrotizing

Submaxillary Gland Nos

Inflammation, Necrotizing

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_206

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Ear

Canal

Keratoacanthoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_208

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Moribund Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Preputial gland

Testis

Squamous Cell Carcinoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_209

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Lung

Testis

Nephropathy

Fibrosis, Cholangio

Alveolar/Bronchiolar Carcinoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_210

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Testis

Fibrosis

Nephropathy

Fibrosis, Cholangio

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_211

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

|                 |                     |                         |
|-----------------|---------------------|-------------------------|
| Heart           |                     | Fibrosis                |
| Kidney          |                     | Nephropathy             |
| Lung            |                     | Inflammation, Nos       |
| Pituitary gland |                     | Adenoma, Nos            |
| Testis          |                     | Interstitial-Cell Tumor |
| Unspecified     | Multiple Organs Nos | Lymphoma, Nos-Malignant |

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_212

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Testis

Fibrosis

Nephropathy

Fibrosis, Cholangio

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_213

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Liver

Pituitary gland

Testis

Fibrosis, Cholangio

Hyperplasia, Nos

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_214

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Testis

Unspecified

Multiple Organs Nos

Pheochromocytoma

Interstitial-Cell Tumor

Leukemia, Monocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_215

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Pituitary gland

Testis

Fibrosis

Nephropathy

Fibrosis, Cholangio

Adenoma, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_216

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Pituitary gland  
Testis

Myocardium Nos

Fibrosis  
Nephropathy  
Fibrosis, Cholangio  
Hyperplasia, Focal  
Hyperplasia, Interstitial Cell  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_217

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Testis

Fibrosis

Nephropathy

Fibrosis, Cholangio

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_218

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Liver

Testis

Fibrosis

Nephropathy

Fibrosis, Cholangio

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_219

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

|                |                        |                                |
|----------------|------------------------|--------------------------------|
| Heart          |                        | Fibrosis                       |
| Kidney         |                        | Nephropathy                    |
| Liver          |                        | Fibrosis, Cholangio            |
| Salivary gland | Submaxillary Gland Nos | Inflammation, Necrotizing      |
| Testis         |                        | Hyperplasia, Interstitial Cell |
|                |                        | Interstitial-Cell Tumor        |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02926

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Azobenzene

**CAS Number:** 103-33-3

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 10:14:39

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

**Lab:** NA

---

**ANIMAL ID:** 3\_220

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Mucinous Adenocarcinoma

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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

\* PROTOCOL REQUIRED TISSUE