

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

**C Number:** C02175

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Spleen

Testis

Inflammation, Chronic

Hyperplasia, Nodular

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Metamorphosis, Fatty
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Zymbal gland

Interstitial-Cell Tumor

Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Oligodendroglioma
Kidney	Inflammation, Chronic
Prostate	Hyperplasia, Cystic
Seminal vesicle	Hyperplasia, Cystic
Testis	Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Ileum

Adenomatous Polyp, Nos

Ileum

Ulcer, Nos

Skin

Hip

Squamous Cell Carcinoma

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart

Myocardium Nos

Fibrosis

Unspecified

Multiple Organs Nos

Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Testis

Colon

Nematodiasis  
Inflammation, Chronic  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Brain

Kidney

Liver

Unspecified

Multiple Organs Nos

Abdominal Cavity

Lipoidosis

Glioma, Nos

Inflammation, Chronic

Metamorphosis, Fatty

Leukemia, Undifferentiated

Lipoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Small

Peyers Patch

Abscess, Nos

Liver

Hyperplasia, Nodular

Lung

Pneumonia, Chronic Murine

Skin

Basal-Cell Tumor

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Hepatocellular Adenoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Nos
Stomach		Hyperkeratosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Skin

Back

Keratoacanthoma

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

Adipose Tissue

Necrosis, Fat

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Intestine Large  
Kidney  
Skin  
Testis

Myocardium Nos  
Colon

Fibrosis  
Adenocarcinoma, Nos  
Inflammation, Chronic  
Keratoacanthoma  
Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Zymbal gland

Interstitial-Cell Tumor

Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Thyroid

Inflammation, Chronic

Squamous Cell Carcinoma

Trichoepithelioma

Interstitial-Cell Tumor

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Skin

Keratoacanthoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Kidney

Inflammation, Chronic

Skin

Papilloma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Adenomatous
Skin		Basal-Cell Tumor
Testis		Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver	Hepatocytes	Hyperplasia, Focal
Lung		Pneumonia, Chronic Murine
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Lung

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Undifferentiated

Multiple Organs Nos

Mesothelioma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Liver

Skin

Unspecified

Ear

Multiple Organs Nos

Pigmentation, Nos

Hepatocellular Adenoma

Basal-Cell Tumor

Leukemia, Undifferentiated

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Necrosis, Focal
Preputial gland	Sebaceous Adenocarcinoma
Spleen	Hemosiderosis
Testis	Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Liver		Hematopoiesis
Spleen		Hematopoiesis
Zymbal gland		Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain	Squamous Cell Carcinoma, Invasive
Ear	Squamous Cell Carcinoma
Kidney	Inflammation, Chronic
Testis	Interstitial-Cell Tumor

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pituitary gland

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Pneumonia, Aspiration

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Skin

Back

Basal-Cell Tumor

Foot And Toe Nos

Keratoacanthoma

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Lung		Carcinosarcoma, Metastatic
Lymph node	Cervical Lymph Node Nos	Carcinosarcoma, Metastatic
Skin	Eyelid Nos	Carcinosarcoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver  
Lung  
Pituitary gland  
Skin  
Testis  
Thyroid

Large Intestine, Colon

Nematodiasis  
Inflammation, Chronic  
Glycogenic Cell  
Pneumonia, Chronic Murine  
Cyst, Nos  
Papilloma, Nos  
Interstitial-Cell Tumor  
Cyst, Colloid  
Follicular-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Hepatocellular Carcinoma
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Pituitary gland

Testis

Alveoli

Inflammation, Chronic

Pneumonia, Aspiration

Chromophobe Adenoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Prostate

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Prostate

Hyperplasia, Cystic

Skin

Flank

Basal-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Necrosis, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Adipose Tissue	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Preputial gland		Sebaceous Adenocarcinoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos
Zymbal gland		Sebaceous Adenocarcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Undifferentiated

Zymbal gland

Sebaceous Adenocarcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Lung

Zymbal gland

Metamorphosis, Fatty

Pneumonia, Chronic Murine

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Bronchopneumonia, Acute

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Pneumonia, Chronic Murine
Skin	Back	Keratoacanthoma
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Undifferentiated

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver	Necrosis, Coagulative
Lung	Inflammation, Chronic Suppurative
Skin	Squamous Cell Carcinoma
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung		Pneumonia, Aspiration
Preputial gland		Sebaceous Adenocarcinoma
Prostate		Inflammation, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Undifferentiated
Zymbal gland		Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 003.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Pancreas

Islets

Islet-Cell Adenoma

Skin

Back

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_101

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Preputial gland

Testis

Sebaceous Adenocarcinoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_102

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Testis

Interstitial-Cell Tumor

Zymbal gland

Sebaceous Adenocarcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_103

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_104

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Kidney  
Liver  
Lung  
Testis

Medulla  
Colon

Hyperplasia, Nos  
Nematodiasis  
Inflammation, Chronic  
Hepatocellular Carcinoma  
Alveolar/Bronchiolar Adenoma  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_105

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Seminal vesicle

Skin

Testis

Thyroid

Flank

Inflammation, Suppurative

Squamous Cell Carcinoma

Interstitial-Cell Tumor

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_106

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Unspecified

Multiple Organs Nos

Multiple Organs Nos

Interstitial-Cell Tumor

Carcinosarcoma

Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_107

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Inflammation, Chronic
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor
Thyroid	Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Nematodiasis
Kidney		Inflammation, Chronic
Lung		Hyperplasia, Alveolar Epithelium
Pituitary gland		Chromophobe Adenoma
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_109

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung	Alveolar/Bronchiolar Adenoma
Testis	Interstitial-Cell Tumor
Zymbal gland	Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_110

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Inflammation, Chronic
Kidney	Inflammation, Chronic
Lung	Pneumonia, Chronic Murine
Testis	Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_111

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Unspecified

Multiple Organs Nos

Inflammation, Chronic

Keratoacanthoma

Interstitial-Cell Tumor

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_112

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_113

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Nos

Zymbal gland

Sebaceous Adenocarcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_114

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Skin

Testis

Unspecified

Multiple Organs Nos

Inflammation, Chronic

Basal-Cell Tumor

Interstitial-Cell Tumor

Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_115

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Skin

Testis

Unspecified

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Alveolar/Bronchiolar Adenoma

Basal-Cell Tumor

Interstitial-Cell Tumor

Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_116

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Skin

Trichoepithelioma

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Unspecified

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_118

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_119

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Lung  
Skin  
Testis  
Unspecified

Medulla  
Colon  
  
Multiple Organs Nos

Fibrosis  
Nematodiasis  
Alveolar/Bronchiolar Adenoma  
Keratoacanthoma  
Interstitial-Cell Tumor  
Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_120

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_121

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Intestine Large  
Pituitary gland  
Testis  
Unspecified

Medulla  
Colon

Hyperplasia, Nos  
Nematodiasis  
Cyst, Nos  
Interstitial-Cell Tumor  
Fibroma  
Leukemia, Undifferentiated

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_122

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Kidney		Inflammation, Chronic
Pituitary gland		Chromophobe Adenoma
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_123

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Pituitary gland		Chromophobe Adenoma
Skin	Back	Sebaceous Adenocarcinoma
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart  
Intestine Large  
Lung  
Testis

Myocardium Nos  
Colon

Fibrosis  
Nematodiasis  
Pneumonia, Chronic Murine  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_125

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Lung  
Pituitary gland  
Testis

Pneumonia, Chronic Murine  
Hyperplasia, Chromophobe Cell  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_126

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_127

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Brain		Atrophy, Nos
Intestine Large	Colon	Nematodiasis
Liver		Hepatocellular Adenoma
Pituitary gland		Chromophobe Adenoma
Testis		Interstitial-Cell Tumor
Unspecified	Adipose Tissue	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_128

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Nos

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_129

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver  
Prostate  
Testis

Hepatocellular Adenoma  
Hyperplasia, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_130

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Inflammation, Chronic
Intestine Large	Colon	Nematodiasis
Kidney		Inflammation, Chronic
Skin	Back	Squamous Cell Carcinoma
	Back	Trichoepithelioma
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_131

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Epididymis

Kidney

Liver

Lung

Skin

Testis

Thyroid

Unspecified

Back

Groin

Pheochromocytoma

Fibrosarcoma, Invasive

Inflammation, Chronic

Metamorphosis, Fatty

Alveolar/Bronchiolar Adenoma

Squamous Cell Carcinoma

Interstitial-Cell Tumor

Hyperplasia, C Cell

Fibrosarcoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_132

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Liver

Hepatocellular Adenoma

Lung

Pneumonia, Chronic Murine

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_133

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_134

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Kidney

Inflammation, Chronic

Liver

Hepatocellular Adenoma

Lung

Alveolar/Bronchiolar Adenoma

Pituitary gland

Pneumonia, Chronic Murine

Skin

Hyperplasia, Chromophobe Cell

Testis

Keratoacanthoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_135

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Kidney

Inflammation, Chronic

Pancreas

Fibrosis, Focal

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_136

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Mammary gland		Cyst, Multilocular
Pituitary gland		Chromophobe Adenoma
Skin	Chest	Squamous Cell Carcinoma
Stomach		Papilloma, Nos
Testis		Atrophy, Nos
Zymbal gland		Sebaceous Adenocarcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_137

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Hepatocellular Adenoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_138

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver  
Testis  
Thyroid

Colon

Nematodiasis  
Inflammation, Chronic  
Hepatocellular Adenoma  
Interstitial-Cell Tumor  
C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_139

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
Brain		Atrophy, Nos
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Pituitary gland		Chromophobe Adenoma
Skin	Ear	Neoplasm, Nos
Testis		Atrophy, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_140

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Granuloma, Nos

Pancreas

Inflammation, Chronic

Testis

Acinar-Cell Adenoma

Thyroid

Interstitial-Cell Tumor

C-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_141

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Thrombosis, Nos
Liver		Hepatocellular Carcinoma
Skin	Back	Basal-Cell Tumor
Testis		Interstitial-Cell Tumor
Thyroid		Cystadenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_142

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

Unspecified

Mediastinum Nos

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_143

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver  
Lung  
Pancreas  
Skin  
Spleen  
Testis

Colon

Nematodiasis  
Inflammation, Chronic  
Hyperplastic Nodule  
Pneumonia, Chronic Murine  
Fibrosis, Focal  
Sebaceous Adenoma  
Hemosiderosis  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_144

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Leukemia, Undifferentiated

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_145

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Zymbal gland

Interstitial-Cell Tumor

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_146

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney		Inflammation, Chronic
Liver		Hematopoiesis
Pancreas		Fibrosis, Focal
Skin	Flank	Squamous Cell Carcinoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_147

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Kidney

Inflammation, Chronic

Liver

Necrosis, Focal

Pituitary gland

Hyperplasia, Chromophobe Cell

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_148

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_149

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Colon

Nematodiasis

Lung

Alveolar/Bronchiolar Adenoma

Skin

Sebaceous Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 2\_150

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 001.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small

Duodenum

Ulcer, Nos

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pituitary gland

Chromophobe Adenoma

Skin

Basal-Cell Tumor

Unspecified

Inguinal Region Nos

Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_201

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Trachea

Inflammation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_202

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland  
Heart  
Intestine Large  
Kidney  
Lung  
Pituitary gland  
Testis

Myocardium Nos  
Large Intestine, Colon

Pheochromocytoma  
Fibrosis  
Nematodiasis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Chromophobe Adenoma  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

**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**

Intestine Large

Large Intestine, Colon

Nematodiasis

Kidney

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_204

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_205

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Testis

Pheochromocytoma

Atrophy, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_206

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Kidney  
Pancreas  
Pituitary gland  
Testis

Large Intestine, Colon

Islets

Nematodiasis  
Inflammation, Chronic  
Islet-Cell Adenoma  
Chromophobe Adenoma  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_207

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Myocardium Nos	Fibrosis, Diffuse
Kidney		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Testis		Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_208

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Testis

Pheochromocytoma

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

**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

Testis

Thyroid

Inflammation, Chronic

Interstitial-Cell Tumor

C-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

**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**

Intestine Large  
Kidney  
Pituitary gland  
Skin  
Testis  
  
Thyroid

Large Intestine, Colon

Ear

Nematodiasis  
Inflammation, Chronic  
Hyperplasia, Focal  
Keratoacanthoma  
Atrophy, Nos  
Interstitial-Cell Tumor  
Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_211

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Testis

Bile Duct

Pheochromocytoma

Inflammation, Chronic

Hepatocellular Adenoma

Hyperplasia, Nos

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_212

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Seminal vesicle

Nephrosis, Hydro

Pneumonia, Chronic Murine

Cast, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_213

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Medulla

Hyperplasia, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Inflammation, Chronic

Pituitary gland

Hyperplasia, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_214

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Testis

Medulla

Myocardium Nos

Hyperplasia, Nos

Degeneration, Nos

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

**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**

Kidney

Testis

Inflammation, Chronic

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

**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**

Testis

Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

**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**

Intestine Large  
Kidney  
Lung  
Testis

Large Intestine, Colon

Nematodiasis  
Inflammation, Chronic  
Pneumonia, Chronic Murine  
Atrophy, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_218

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Intestine Large  
Kidney

Large Intestine, Colon

Nematodiasis  
Inflammation, Chronic  
Transitional-Cell Carcinoma  
Interstitial-Cell Tumor

Testis

Pelvis

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_219

**TRT#:** 3  
**DOSE:** 0

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Testis

Astrocytoma  
Atrophy, Nos  
Interstitial-Cell Tumor

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 3\_220

**TRT#:** 3

**DOSE:** 0

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Brain

Pituitary gland

Atrophy, Pressure

Chromophobe Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 4\_008

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung	Bronchus	Inflammation, Suppurative
Lymph node		Hemosiderosis
Spleen		Hemosiderosis
Thyroid		Follicular-Cell Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 4\_016

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Thyroid

Metamorphosis, Fatty  
Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 4\_039

**TRT#:** 4  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung

Thyroid

Bronchiole

Inflammation, Nos

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 4\_040

**TRT#:** 4

**DOSE:** 0

**SEX:** Male

**DISP:**

**DAY ON TEST:**

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lung

Thyroid

Calcinosis, Nos

Adenocarcinoma, Nos, Metastatic

Adenocarcinoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 5\_108

**TRT#:** 5  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Liver  
Thyroid

Metamorphosis, Fatty  
Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 5\_115

**TRT#:** 5  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 5\_116

**TRT#:** 5  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Thyroid

Calcinosis, Nos  
Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 5\_139

**TRT#:** 5  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Prostate

Thyroid

Abscess, Nos

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 5\_144

**TRT#:** 5  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Kidney  
Thyroid

Calcinosis, Nos  
Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C02175

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** 3,3'-Dimethoxybenzidine-4,4'-diisocyanate  
**CAS Number:** 91-93-0

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

**Time Report Requested:** 17:46:31

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

**Lab:** NA

---

**ANIMAL ID:** 5\_148

**TRT#:** 5  
**DOSE:** 0

**SEX:** Male  
**DISP:**

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Thyroid

Adenoma, Nos

---

PRIMARY CAUSE OF DEATH

-

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

\* PROTOCOL REQUIRED TISSUE