

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**C Number:** C53792

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Female

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Brain	Cerebellum Nos	Hemorrhage
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Centrilobular	Degeneration, Nos
Lung		Edema, Nos
Pituitary gland		Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic
Urinary bladder	Mucosa	Papilloma, Nos
Uterus	Endometrial Gland	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Mammary gland	Mammary Acinus	Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Spleen	Red Pulp	Fibrosis, Focal
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Hemorrhage

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_004

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Colon	Nematodiasis
Kidney	Cortex	Nephropathy
		Pigmentation, Nos
Liver		Tubular-Cell Adenocarcinoma
		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Alveolar Epithelium
	Bronchiole	Hyperplasia, Nos
		Inflammation, Interstitial
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
		Papillary Adenoma
Pituitary gland		Chromophobe Adenoma
Spleen		Congestion, Nos
	Capsule	Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Cytoplasmic Change, Basophilic

Bone marrow

Hypoplasia, Granulocytic

Heart

Degeneration, Nos

Kidney

Cortex

Pigmentation, Nos

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Degeneration, Nos

Kidney

Cortex

Pigmentation, Nos

Liver

Cytoplasmic Change, Basophilic

Lung

Hyperplasia, Lymphoid

Mammary gland

Fibroadenoma

Pituitary gland

Adenoma, Nos

Thyroid

C-Cell Carcinoma

Uterus

Hyperplasia, C Cell

Zymbal gland

Endometrial Stromal Polyp

Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Cytoplasmic Vacuolization

Kidney

Cortex

Degeneration, Nos

Liver

Tubule

Pigmentation, Nos

Mammary gland

Regeneration, Nos

Cytoplasmic Change, Basophilic

Ovary

Mammary Acinus

Dilatation, Ducts

Pancreas

Acinus

Dilatation, Nos

Pituitary gland

Cyst, Corpus Luteum

Thyroid

Atrophy, Focal

Chromophobe Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_011

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos	Cytoplasmic Vacuolization Hyperplasia, Focal Pheochromocytoma
Heart		Degeneration, Nos
Kidney	Tubule	Cyst, Multiple Nephropathy
Liver	Cortex Bile Duct	Pigmentation, Nos Cytoplasmic Change, Basophilic Hyperplasia, Focal Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Lymph node	Mesenteric Lymph Node	Cyst, Nos
Mammary gland		Dilatation, Ducts
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Hyperplasia, Chromophobe Cell
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_012

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Heart

Kidney

Liver

Cortex

Spleen

Stomach

Uterus

Fundus

Subserosa

Fibrosis, Multifocal

Degeneration, Nos

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Hematopoiesis

Dilatation, Nos

Inflammation, Acute/Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney	Cortex	Pigmentation, Nos
Lung		Hyperplasia, Lymphoid
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Lipoidosis

Heart

Degeneration, Nos

Left Atrium Nos

Thrombus, Mural

Kidney

Cortex

Pigmentation, Nos

Tubule

Regeneration, Nos

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Neoplastic Nodule

Lung

Edema, Nos

Hyperplasia, Lymphoid

Mammary gland

Adenoma, Nos

Pancreas

Acinus

Atrophy, Diffuse

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Eye	Lens, Capsule	Mineralization
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Pancreatic Lymph Node	Hemosiderosis
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Pituitary gland

Thyroid

Cortex

Tubule

Bile Duct

Cortical Adenoma

Degeneration, Nos

Pigmentation, Nos

Regeneration, Nos

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Hyperplasia, Focal

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Mammary gland

Pancreas

Parathyroid gland

Pituitary gland

Spleen

Thyroid

Cardiac Valve

Cortex

Mammary Acinus

Acinus

Cortical Adenoma

Degeneration, Nos

Fibrosis, Focal

Nephropathy

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Dilatation, Ducts

Dilatation, Nos

Fibroadenoma

Atrophy, Focal

Adenoma, Nos

Chromophobe Adenoma

Hematopoiesis

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Centrilobular	Degeneration, Nos
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Interstitial
Spleen		Depletion, Lymphoid
		Fibrosis, Diffuse
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Clitoral gland

Heart

Kidney

Liver

Lung

Pancreas

Pituitary gland

Spleen

Thyroid

Uterus

Cardiac Valve

Cortex

Adenocarcinoma, Nos

Degeneration, Nos

Fibrosis, Multifocal

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Focal Cellular Change

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Dilatation, Ducts

Hyperplasia, Chromophobe Cell

Congestion, Nos

Fibrosis, Diffuse

Hyperplasia, C Cell

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Inflammation, Granulomatous Focal
Lymph node	Mesenteric Lymph Node	Pigmentation, Nos
Mammary gland		Dilatation, Ducts
Pituitary gland		Hyperplasia, Chromophobe Cell
Spleen		Fibrosis, Diffuse
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_021

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
Spleen		Congestion, Nos
		Fibrosis, Diffuse
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Lymphoid
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
		Fibroadenoma
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Cortex

Tubule

Liver

Lung

Spleen

Pheochromocytoma

Degeneration, Nos

Pigmentation, Nos

Regeneration, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Lymphoid

Congestion, Nos

Fibrosis, Multifocal

Hyperplasia, C Cell

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Cortex

Lymph node

Pancreas

Pituitary gland

Spleen

Thyroid

Bile Duct

Bronchial Lymph Node

Acinus

Cortical Adenoma

Degeneration, Nos

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Atrophy, Focal

Chromophobe Adenoma

Fibrosis, Diffuse

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pituitary gland		Hyperplasia, Chromophobe Cell
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Hyperplasia, Nos
Uterus		Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_028

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Lymph node		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
	Mammary Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lymph node

Mammary gland

Pituitary gland

Spleen

Thyroid

Trachea

Uterus

Cortex

Tubule

Bronchial Lymph Node

Mammary Acinus

Pheochromocytoma

Degeneration, Nos

Pigmentation, Nos

Regeneration, Nos

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous

Dilatation, Nos

Chromophobe Adenoma

Congestion, Nos

Fibrosis, Multifocal

Hyperplasia, C Cell

Inflammation, Acute/Chronic

Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Congestion, Nos
		Fibrosis, Diffuse
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma
Uterus	Endometrial Gland	Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone marrow		Hyperplasia, Lymphoid
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Spleen		Congestion, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Spleen		Congestion, Nos
		Fibrosis, Diffuse
		Pigmentation, Nos
Thyroid		Hyperplasia, C Cell
Urinary bladder		Hyperplasia, Epithelial
Uterus		Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Adenoma, Nos
		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Parathyroid gland		Adenoma, Nos
Spleen		Congestion, Nos
		Fibrosis, Diffuse
Thyroid		Hyperplasia, C Cell
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_034

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Alveolar Epithelium
		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Congestion, Nos
Thyroid		Hyperplasia, C Cell
Uterus	Endometrial Gland	Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Granulocytic
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Spleen		Congestion, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Cortex

Bile Duct

Pheochromocytoma

Degeneration, Nos

Pigmentation, Nos

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Lung

Lymph node

Mammary gland

Pituitary gland

Spleen

Thymus

Thyroid

Bronchial Lymph Node

Inflammation, Granulomatous Focal

Dilatation, Ducts

Chromophobe Adenoma

Hyperplasia, Lymphoid

Myeloproliferative Disorder

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart Pheochromocytoma, Malignant

Kidney Degeneration, Nos

Cortex Nephropathy

Liver Pigmentation, Nos

Bile Duct Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Lung Hyperplasia, Lymphoid

Mammary gland Dilatation, Ducts

Mammary Acinus Dilatation, Nos

Pituitary gland Chromophobe Adenoma

Spleen Congestion, Nos

Thyroid Fibrosis, Multifocal

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Colon	Inflammation, Granulomatous Focal
	Colon	Ulcer, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
Pancreas	Acinus	Atrophy, Focal
Spleen		Congestion, Nos
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos

Hyperplasia, Focal  
Degeneration, Nos  
Nephropathy

Liver

Cortex

Pigmentation, Nos  
Cytoplasmic Change, Basophilic  
Inflammation, Granulomatous Focal

Lymph node  
Spleen

Bronchial Lymph Node

Inflammation, Granulomatous Focal  
Congestion, Nos

Stomach  
Thyroid  
Trachea

Inflammation, Granulomatous Focal  
Inflammation, Acute/Chronic  
Hyperplasia, C Cell  
Inflammation, Acute/Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Spleen		Congestion, Nos
		Fibrosis, Diffuse
Thyroid		Hyperplasia, C Cell
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Reticulum Cell
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Mammary gland	Mammary Acinus	Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Reticulum Cell
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Spleen		Congestion, Nos
		Fibrosis, Multifocal
		Pigmentation, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty
Bone marrow		Hyperplasia, Granulocytic
Heart		Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney	Tubule	Pigmentation, Nos
Liver	Centrilobular	Necrosis, Diffuse
Lymph node	Bronchial Lymph Node Bronchial Lymph Node	Inflammation, Diffuse Inflammation, Granulomatous Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Fibrosis, Diffuse Hematopoiesis
Uterus	Endometrium	Hyperplasia, Reticulum Cell Inflammation, Suppurative Necrosis, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

---

**ANIMAL ID:** 1\_044

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Centrilobular	Degeneration, Nos
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
Spleen		Fibrosis, Multifocal
Unspecified	Nose	Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland		Cortical Adenoma
Eye	Retina	Degeneration, Nos
Heart		Degeneration, Nos
Kidney	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell
Urinary bladder		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Inflammation, Granulomatous Focal
		Neoplastic Nodule
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
Spleen		Congestion, Nos
		Fibrosis, Focal
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

---

**ANIMAL ID:** 1\_047

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart	Cardiac Valve	Degeneration, Nos
	Left Atrium Nos	Fibrosis, Multifocal
Kidney	Cortex	Thrombus, Mural
Liver	Centrilobular	Pigmentation, Nos
		Congestion, Nos
	Centrilobular	Cytoplasmic Change, Basophilic
Lung		Degeneration, Nos
Pituitary gland		Edema, Nos
		Chromophobe Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_048

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Reticulum Cell
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Hyperplasia, Nos
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_049

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Alveolar Epithelium
		Hyperplasia, Lymphoid
	Bronchiole	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 1\_050

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 3000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Bronchial Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 2\_001

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Thyroid

Uterus

Cortex

Tubule

Bile Duct

Mammary Acinus

Endometrial Gland

Metamorphosis, Fatty

Degeneration, Nos

Pigmentation, Nos

Regeneration, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Dilatation, Ducts

Dilatation, Nos

Hyperplasia, Chromophobe Cell

Hyperplasia, C Cell

Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Degeneration, Nos

Kidney

Cortex

Pigmentation, Nos

Tubule

Regeneration, Nos

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Mammary gland

Dilatation, Ducts

Mammary Acinus

Dilatation, Nos

Pituitary gland

Chromophobe Adenoma

Thyroid

C-Cell Carcinoma

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 2\_003

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

---

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Degeneration, Nos

Kidney

Tubule

Regeneration, Nos

Liver

Cytoplasmic Change, Basophilic

Lung

Hyperplasia, Lymphoid

Mammary gland

Dilatation, Ducts

Thyroid

C-Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_005

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Liver

Bile Duct

Lung

Spleen

Uterus

Pheochromocytoma

Degeneration, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Congestion, Nos

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_007

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Cerebrum	Chromophobe Carcinoma, Invasive
Eye	Retina	Compression, Nos
Heart		Degeneration, Nos
Kidney		Degeneration, Nos
	Cortex	Nephropathy
Liver	Bile Duct	Pigmentation, Nos
		Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
Pituitary gland		Chromophobe Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 2\_008

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_009

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Lung

Thyroid

Uterus

Cortical Adenoma

Degeneration, Nos

Hyperplasia, Lymphoid

Hyperplasia, C Cell

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Mammary gland

Pancreas

Pituitary gland

Thyroid

Cardiac Valve

Cortex

Tubule

Bile Duct

Mammary Acinus

Acinus

Pheochromocytoma

Degeneration, Nos

Fibrosis, Multifocal

Pigmentation, Nos

Regeneration, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Dilatation, Ducts

Dilatation, Nos

Atrophy, Focal

Adenoma, Nos

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic
Uterus		Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_012

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Thyroid

Cortex

Tubule

Bile Duct

Cortical Adenoma

Degeneration, Nos

Pigmentation, Nos

Regeneration, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_013

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Cardiac Valve

Cortex

Mammary Acinus

Ganglioneuroma

Degeneration, Nos

Fibrosis, Multifocal

Hyperplasia, Lymphoid

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Dilatation, Ducts

Dilatation, Nos

Chromophobe Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_014

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Degeneration, Nos

Kidney

Cortex

Pigmentation, Nos

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Lung

Hyperplasia, Lymphoid

Mammary gland

Fibroadenoma

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:03

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

**Lab:** NA

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**ANIMAL ID:** 2\_015

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nos
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Ovary		Cyst, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_016

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Hyperplasia, Focal

Kidney

Cardiac Valve

Degeneration, Nos

Liver

Cortex

Fibrosis, Multifocal

Lung

Bile Duct

Pigmentation, Nos

Mammary gland

Hyperplasia, Focal

Thyroid

Inflammation, Granulomatous Focal

Uterus

Hyperplasia, Lymphoid

Dilatation, Ducts

Hyperplasia, C Cell

Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_017

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Heart

Liver

Bile Duct

Mammary gland

Thyroid

Hyperplasia, Reticulum Cell

Degeneration, Nos

Cytoplasmic Change, Basophilic

Focal Cellular Change

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Dilatation, Ducts

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Clitoral gland		Adenoma, Nos
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
	Centrilobular	Necrosis, Focal
Lung		Hyperplasia, Lymphoid
Mammary gland	Mammary Acinus	Dilatation, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified		Inflammation, Necrotizing

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_019

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Cerebrum	Hemorrhage
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_020

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Clitoral gland		Carcinoma, Nos
Heart		Degeneration, Nos
Kidney	Cortex	Inflammation, Interstitial
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Unspecified		Lymphoma, Lymphocytic-Malignant Type
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_021

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart	Degeneration, Nos
Kidney	Nephropathy
Liver	Cytoplasmic Change, Basophilic
	Inflammation, Granulomatous Focal
Pituitary gland	Chromophobe Adenoma
Thyroid	Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
	Left Atrium Nos	Thrombus, Mural
Lymph node	Mesenteric Lymph Node	Congestion, Passive
Mammary gland	Mammary Acinus	Dilatation, Nos
Spleen		Hematopoiesis
Uterus		Endometrial Stromal Polyp

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Multifocal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Cerebrum	Atrophy, Pressure
Heart		Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Nos
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_026

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Pancreas		Atrophy, Focal
Pituitary gland	Acinus	Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_027

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Reticulum Cell
Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Pituitary gland		Hyperplasia, Chromophobe Cell
Spleen		Congestion, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_028

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortical Adenoma

Brain

Choroid Plexus Nos

Metamorphosis, Fatty

Heart

Inflammation, Chronic Focal

Kidney

Degeneration, Nos

Liver

Cortex

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Lung

Hyperplasia, Lymphoid

Pancreas

Islets

Islet-Cell Adenoma

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_029

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Kidney

Unspecified

Cortex

Multiple Organs Nos

Degeneration, Nos

Pigmentation, Nos

Leukemia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
Lung		Hyperplasia, Alveolar Epithelium
	Bronchiole	Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Spleen		Congestion, Nos
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Pelvis

Mineralization

Liver

Cortex

Pigmentation, Nos

Lung

Necrosis, Focal

Thrombosis, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_032

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Alveolar Epithelium
		Hyperplasia, Lymphoid
	Bronchiole	Hyperplasia, Nos
Mammary gland		Adenoma, Nos
		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pancreas	Acinus	Atrophy, Focal
Spleen		Congestion, Nos
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Pancreas	Acinus	Atrophy, Focal
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_034

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Spleen		Congestion, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone marrow		Hyperplasia, Reticulum Cell
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Alveolar Epithelium
	Bronchiole	Hyperplasia, Nos
Thyroid		Hyperplasia, C Cell
Trachea	Gland	Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_036

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Small	Jejunum	Inflammation, Acute/Chronic
Kidney		Nephropathy
Liver		Inflammation, Granulomatous Focal
Lung		Pneumonia, Aspiration
Spleen		Depletion, Lymphoid
		Fibrosis, Multifocal
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Acute/Chronic
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_037

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
		Neoplastic Nodule
Lymph node	Mesenteric Lymph Node	Foreign Body, Reaction
Mammary gland		Dilatation, Ducts
		Fibroadenoma
Thymus		Carcinoma, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_038

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Mammary gland	Mammary Acinus	Dilatation, Nos
Pancreas		Dilatation, Ducts
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Adenoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous
Liver		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Hyperplasia, Chromophobe Cell
Spleen		Congestion, Nos
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_041

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Craniobuccal Pouch	Cyst, Nos
Heart		Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
		Fibroadenoma
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_042

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lung

Inflammation, Acute/Chronic

Unspecified

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Cortex

Tubule

Liver

Lung

Mammary gland

Thyroid

Pheochromocytoma

Degeneration, Nos

Pigmentation, Nos

Regeneration, Nos

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Dilatation, Ducts

Fibroadenoma

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_044

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Degeneration, Cytologic
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Chromophobe Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Inflammation, Acute/Chronic
Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
Pancreas	Acinus	Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Urinary bladder	Mucosa	Mineralization
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_046

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Nodular
	Cortex Nos	Metamorphosis, Fatty
Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Uterus	Endometrial Gland	Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_047

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Hyperplasia, Chromophobe Cell
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Acute/Chronic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain		Atrophy, Pressure
Kidney	Pelvis	Mineralization
	Cortex	Pigmentation, Nos
	Tubule	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Dilatation, Ducts
Pituitary gland		Chromophobe Adenoma
Thymus		Hemorrhage

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 2\_049

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Lung

Thymus

Thyroid

Cortex

Pheochromocytoma, Malignant

Nephropathy

Pigmentation, Nos

Granuloma, Nos

Hemorrhage

Hyperplasia, Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 2\_050

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 1000 PPM

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland  
Heart  
Kidney

Cortex Nos

Metamorphosis, Fatty  
Degeneration, Nos  
Nephropathy

Liver

Cortex

Pigmentation, Nos  
Cytoplasmic Change, Basophilic  
Hyperplasia, Focal  
Inflammation, Granulomatous Focal

Mammary gland  
Pituitary gland  
Salivary gland  
Thyroid  
Uterus

Bile Duct

Dilatation, Ducts  
Chromophobe Adenoma  
Hyperplasia, Focal  
Hyperplasia, C Cell  
Dilatation, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_001

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow

Hypoplasia, Granulocytic

Brain

Cerebellum Nos

Hematoma, Nos

Heart

Degeneration, Nos

Cardiac Valve

Fibrosis, Multifocal

Liver

Centrilobular

Degeneration, Nos

Bile Duct

Hyperplasia, Focal

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_002

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Liver

Bile Duct

Lung

Thyroid

Cortical Adenoma

Degeneration, Nos

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Hyperplasia, Lymphoid

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_003

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lung		Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_004

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_005

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Cortex

Angiectasis

Degeneration, Nos

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Ovary

Cyst, Parovarian

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

Uterus

Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_006

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Alveolar Epithelium
		Hyperplasia, Lymphoid
	Bronchiole	Hyperplasia, Nos
Mammary gland		Dilatation, Ducts
		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Hyperplasia, Chromophobe Cell
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_007

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Infection, Bacterial
		Pigmentation, Nos
Liver	Centrilobular	Degeneration, Nos
	Bile Duct	Hyperplasia, Focal
	Centrilobular	Necrosis, Nos
Mammary gland		Dilatation, Ducts
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_008

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Heart

Degeneration, Nos

Kidney

Inflammation, Acute/Chronic

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Pancreas

Acinus

Atrophy, Focal

Thyroid

Hyperplasia, C Cell

Trachea

Inflammation, Acute/Chronic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_009

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Pancreas	Acinus	Atrophy, Focal
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_010

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Focal Cellular Change

Heart

Degeneration, Nos

Kidney

Hyperplasia, Lymphoid

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Lung

Hyperplasia, Lymphoid

Mammary gland

Hyperplasia, Lymphoid

Thyroid

Dilatation, Ducts

Unspecified

Hyperplasia, C Cell

Uterus

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type

Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_011

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver	Centrilobular	Degeneration, Nos
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
Pituitary gland		Hyperplasia, Chromophobe Cell
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_012

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Heart

Liver

Lung

Mammary gland

Thymus

Thyroid

Hyperplasia, Reticulum Cell

Degeneration, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Lymphoid

Fibroadenoma

Hyperplasia, Reticulum Cell

Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_013

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Cortex Nos

Hyperplasia, Focal

Liver

Degeneration, Nos

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Mammary gland

Dilatation, Ducts

Ovary

Cyst, Parovarian

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

Uterus

Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_014

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Mineralization
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Uterus	Endometrial Gland	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_015

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow

Heart

Kidney

Liver

Mammary gland

Pituitary gland

Thyroid

Cortex

Hyperplasia, Reticulum Cell

Degeneration, Nos

Inflammation, Multifocal

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Focal Cellular Change

Inflammation, Granulomatous Focal

Dilatation, Ducts

Chromophobe Adenoma

C-Cell Adenoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_016

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Tubule	Regeneration, Nos
Liver		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_017

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Inflammation, Hemorrhagic
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Thyroid		Hyperplasia, C Cell

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_018

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_019

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Cortex

Lung

Pancreas

Thyroid

Bile Duct

Acinus

Cortical Adenoma

Degeneration, Nos

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Hyperplasia, Lymphoid

Atrophy, Focal

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_020

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hypoplasia, Hematopoietic
Heart		Degeneration, Nos
Kidney	Cortex	Glomerulosclerosis, Nos
	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Necrotizing
Lung	Centrilobular	Necrosis, Diffuse
		Congestion, Nos
		Edema, Nos
Spleen	Red Pulp	Hematopoiesis
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_021

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain		Necrosis, Nos
Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Inflammation, Granulomatous Focal
	Centrilobular	Necrosis, Diffuse
Pituitary gland		Chromophobe Carcinoma
Unspecified	Groin	Fibrosarcoma
	Groin	Osteosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_022

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Focal Cellular Change
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_023

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_024

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Lung		Pneumonia, Aspiration
Pituitary gland		Chromophobe Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Lymphocytic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

---

**ANIMAL ID:** 3\_025

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
		Papillary Adenocarcinoma
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_026

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver

Cortex Nos  
Cortex

Centrilobular  
Bile Duct

Ovary  
Pituitary gland  
Spleen  
Stomach  
Thyroid  
Unspecified

Red Pulp  
Fundus

Angiectasis  
Pigmentation, Nos  
Cytoplasmic Vacuolization  
Degeneration, Nos  
Hyperplasia, Focal  
Cyst, Nos  
Chromophobe Adenoma  
Hematopoiesis  
Inflammation, Acute/Chronic  
Hyperplasia, C Cell  
Osteosarcoma

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_027

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Tubular-Cell Adenoma
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Pituitary gland		Adenoma, Nos
Thyroid		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_028

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Brain	Hemisphere Nos	Glioma, Nos
Heart		Degeneration, Nos
Kidney		Congestion, Passive
	Cortex	Pigmentation, Nos
Liver	Hepatic Sinusoid	Congestion, Nos
Lung		Congestion, Passive
Pancreas	Acinus	Atrophy, Focal
Uterus		Endometrial Stromal Polyp
	Endometrium	Inflammation, Diffuse

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_029

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Adenoma, Nos
		Dilatation, Ducts
	Mammary Acinus	Dilatation, Nos
		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
	Follicle	Papillary Carcinoma
Uterus		Endometrial Stromal Polyp

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_030

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney	Cortex	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
Trachea		Inflammation, Acute/Chronic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_031

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Heart		Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Lymphoid
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Uterus		Dilatation, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_032

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney

Cortex

Inflammation, Interstitial

Liver

Bile Duct

Pigmentation, Nos

Lung

Thyroid

Unspecified

Uterus

Multiple Organs Nos

Endometrial Gland

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Hyperplasia, Lymphoid

Hyperplasia, C Cell

Leukemia, Lymphocytic

Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_033

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Unspecified

Uterus

Cortex

Bile Duct

Multiple Organs Nos

Endometrium

Pheochromocytoma

Degeneration, Nos

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Fibroma

Leukemia, Lymphocytic

Dilatation, Nos

Endometrial Stromal Polyp

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_034

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Adrenal gland

Kidney

Liver

Skin

Spleen

Stomach

Hepatic Sinusoid

Head

Head

Cardiac Stomach

Pheochromocytoma

Nephrosis, Nos

Congestion, Nos

Keratin-Pearl Formation

Squamous Cell Carcinoma

Depletion, Lymphoid

Hemosiderosis

Ulcer, Focal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_035

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Dilatation, Ducts
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_036

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Alveolar Epithelium
		Hyperplasia, Lymphoid
Mammary gland	Bronchiole	Hyperplasia, Nos
		Dilatation, Ducts
Pituitary gland		Fibroadenoma
Thyroid		Chromophobe Adenoma
		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_037

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Intestine Large	Colon	Nematodiasis
Kidney		Mineralization
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
		Hyperplasia, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_038

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Granulocytic
Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Multifocal
Kidney		Inflammation, Acute/Chronic
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Hyperplasia, Lymphoid
Mammary gland		Dilatation, Ducts
Pituitary gland		Hyperplasia, Chromophobe Cell
Thyroid		Hyperplasia, C Cell
Unspecified		Squamous Cell Carcinoma
Vagina		Inflammation, Necrotizing
		Intussusception
		Prolapse

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_039

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Brain

Cerebrum

Compression, Nos

Cerebrum

Hydrocephalus, Nos

Heart

Degeneration, Nos

Kidney

Nephropathy

Cortex

Pigmentation, Nos

Mammary gland

Dilatation, Ducts

Pituitary gland

Chromophobe Carcinoma

Thyroid

Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_040

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Ovary

Salivary gland

Unspecified

Uterus

Atrium

Centrilobular

Centrilobular

Multiple Organs Nos

Necrosis, Cortical

Thrombus, Mural

Nephrosis, Nos

Degeneration, Nos

Necrosis, Nos

Cyst, Corpus Luteum

Edema, Nos

Leukemia, Lymphocytic

Involution, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_041

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney

Cortex

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Leukemia, Lymphocytic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_042

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow

Hypoplasia, Erythroid

Heart

Degeneration, Nos

Cardiac Valve

Fibrosis, Focal

Kidney

Cortex

Pigmentation, Nos

Liver

Inflammation, Granulomatous Focal

Lung

Hyperplasia, Alveolar Epithelium

Hyperplasia, Lymphoid

Bronchiole

Hyperplasia, Nos

Mammary gland

Dilatation, Ducts

Thyroid

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_043

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Cortex

Bile Duct

Angiectasis

Degeneration, Nos

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Hyperplasia, Focal

Inflammation, Granulomatous Focal

Dilatation, Ducts

Chromophobe Adenoma

Hyperplasia, C Cell

Adenocarcinoma, Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_044

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_045

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Heart

Kidney

Liver

Cortex

Cortical Adenoma

Degeneration, Nos

Pigmentation, Nos

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Lung

Pancreas

Thyroid

Acinus

Hyperplasia, Lymphoid

Atrophy, Focal

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_046

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Hyperplasia, Nodular

Heart

Degeneration, Nos

Intestine Large

Colon

Nematodiasis

Mammary gland

Fibroadenoma

Mammary Acinus

Hyperplasia, Focal

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

Uterus

Endometrial Gland

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_047

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Heart		Degeneration, Nos
Kidney		Nephropathy
	Cortex	Pigmentation, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

**ANIMAL ID:** 3\_048

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

**OBSERVATIONS**

Heart		Degeneration, Nos
	Cardiac Valve	Fibrosis, Focal
Kidney	Cortex	Pigmentation, Nos
	Tubule	Regeneration, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Dilatation, Ducts
		Fibroadenoma
	Mammary Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_049

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Scheduled Sacrifice

**HISTO:**

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**OBSERVATIONS**

Adrenal gland

Cortex Nos

Angiectasis

Heart

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Lung

Inflammation, Granulomatous Focal

Lymph node

Hyperplasia, Lymphoid

Mammary gland

Hemosiderosis

Thyroid

Dilatation, Ducts

Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C53792

**Test Type:** Long-Term

**Route:** Dosed-Feed

**Species/Strain:** Rat/F344

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D & C red no. 9

**CAS Number:** 5160-02-1

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

**Time Report Requested:** 14:01:04

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

**Lab:** NA

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**ANIMAL ID:** 3\_050

**TRT#:** 3

**DOSE:** 0

**SEX:** Female

**DISP:** Scheduled Sacrifice

**DAY ON TEST:**

**HISTO:**

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**OBSERVATIONS**

Heart	Degeneration, Nos
Liver	Cytoplasmic Change, Basophilic
Lung	Hyperplasia, Lymphoid
Pituitary gland	Chromophobe Adenoma
Thyroid	Hyperplasia, C Cell

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**PRIMARY CAUSE OF DEATH**

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

\* PROTOCOL REQUIRED TISSUE