

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

C Number: C55210B

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
	Cortex Nos	Hyperplasia, Focal
Brain		Atrophy, Pressure
Clitoral gland		Dilatation, Ducts
		Hyperplasia, Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Mammary gland

Hyperplasia, Cystic

Thymus

Cortex

Depletion, Lymphoid

Thyroid

C-Cell Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Clitoral gland

Cortex Nos

Metamorphosis, Fatty

Liver

Carcinoma, Nos

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Pituitary gland

Anterior Pituitary

Necrosis, Focal

Spleen

Anterior Pituitary

Cyst, Nos

Thyroid

Red Pulp

Hyperplasia, Focal

Hematopoiesis

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Pancreas

Pituitary gland

Thyroid

Tongue

Unspecified

Acinus

Anterior Pituitary

Multiple Organs Nos

Adenoma, Nos

Atrophy, Focal

Cyst, Multiple

Hyperplasia, C Cell

Hyperkeratosis

Hyperplasia, Epithelial

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Brain		Atrophy, Pressure
	Ventricle	Hydrocephalus, Nos
Eye	Retina	Atrophy, Focal
	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
		Regeneration, Nodular
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Focal Cellular Change
Nephropathy
Clear-Cell Change
Cytoplasmic Change, Basophilic
Inflammation, Granulomatous Focal

Mammary gland
Pituitary gland

Anterior Pituitary
Anterior Pituitary

Hyperplasia, Cystic
Adenoma, Nos
Cyst, Multiple

Thymus
Thyroid

Cortex

Depletion, Lymphoid
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Atrophy, Pressure
Liver		Cytoplasmic Change, Basophilic
Lung		Congestion, Acute
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
	Anterior Pituitary	Hyperplasia, Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Uterus	Cervix Uteri	Diverticulum
		Endometrial Stromal Polyp
	Endometrial Gland	Hyperplasia, Cystic
	Cervix Uteri	Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Brain		Atrophy, Pressure
	Ventricle	Hydrocephalus, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Degeneration, Cystic
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Pheochromocytoma
Nephropathy
Cytoplasmic Change, Basophilic
Cytoplasmic Vacuolization
Inflammation, Granulomatous Focal
Inflammation, Granulomatous Focal
Hyperplasia, Cystic
Adenoma, Nos
Hyperplasia, C Cell

Hepatocytes

Lymph node
Mammary gland
Pituitary gland
Thyroid

Mediastinal Lymph Node

Anterior Pituitary

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Cortex Of Bone	Hyperplasia, Focal
Liver		Cytoplasmic Change, Basophilic Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen	Follicles	Depletion, Lymphoid
	Red Pulp	Hemosiderosis
Stomach	Forestomach	Ulcer, Nos
	Glandular Stomach	Ulcer, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Urinary bladder		Calculus, Gross Observation Only Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Brain		Necrosis, Focal
Intestine Small	Mesentery Nos	Inflammation, Active Chronic
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Medulla

Pheochromocytoma

Blood vessel

Sup.Panc-Duod.Artery

Inflammation, Active Chronic

Brain

Cerebrum

Astrocytoma

Hemorrhage

Clitoral gland

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Mammary gland

Adenoma, Nos

Hyperplasia, Cystic

Thymus

Cortex

Depletion, Lymphoid

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Liver		Cytoplasmic Change, Basophilic
Lung		Hyperplasia, Epithelial
Mammary gland		Fibroadenoma
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
	Acinus	Focal Cellular Change
Thymus	Cortex	Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen	Red Pulp	Hematopoiesis
Thymus	Cortex	Depletion, Lymphoid
Unspecified	Leg	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Necrosis, Focal
	Glandular Stomach	Necrosis, Focal
Thymus		Cyst, Embryonal Duct
	Cortex	Depletion, Lymphoid
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Clitoral gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Granulomatous Focal

Kidney

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Cytoplasmic Change, Basophilic

Thymus

Cortex

Inflammation, Granulomatous Focal

Thyroid

Fibroadenoma

Hyperplasia, Cystic

Depletion, Lymphoid

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Focal Cellular Change Hyperplasia, Focal
	Cortex Nos Medulla	Necrosis, Focal Pheochromocytoma
Eye	Retina Crystalline Lens	Atrophy, Focal Cataract
		Hemorrhage
Kidney		Nephropathy
Liver	Hepatocytes Bile Duct	Cytoplasmic Vacuolization Hyperplasia, Focal
		Regeneration, Nodular
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary Anterior Pituitary	Cyst, Nos Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Brain

Cortex Nos

Necrosis, Focal

Kidney

Hemorrhage

Liver

Hepatocytes

Nephropathy

Lung

Cytoplasmic Vacuolization

Mammary gland

Necrosis, Focal

Ovary

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Necrosis, Focal

Stomach

Glandular Stomach

Cyst, Multiple

Unspecified

Multiple Organs Nos

Necrosis, Focal

Uterus

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Atrophy, Focal
	Crystalline Lens	Cataract
	Retina	Displacement, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Rectum	Parasitism
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Ovary		Cyst, Follicular Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Adenoma, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Hyperplasia, Focal
Degeneration, Nos
Mineralization
Nephropathy

Liver

Bile Duct

Cytoplasmic Change, Basophilic
Hyperplasia, Focal
Inflammation, Granulomatous Focal
Hyperplasia, Cystic

Mammary gland

Anterior Pituitary

Adenoma, Nos

Pituitary gland

Spleen

Follicles

Inflammation, Granulomatous Focal

Thymus

Cortex

Depletion, Lymphoid

Thyroid

C-Cell Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Ovary		Cyst, Follicular Nos
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Stomach	Forestomach	Inflammation, Acute Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Uterus	Endometrial Gland	Endometrial Stromal Polyp Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Cytoplasmic Vacuolization

Mammary gland

Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Focal

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Atrium	Thrombosis, Nos
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Angiectasis
Stomach	Forestomach	Inflammation, Acute Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Brain

Atrophy, Pressure

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Mammary gland

Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thymus

Cortex

Depletion, Lymphoid

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Heart

Myocardium Nos

Focal Cellular Change

Kidney

Degeneration, Nos

Liver

Nephropathy

Mammary gland

Cytoplasmic Change, Basophilic

Thymus

Cortex

Inflammation, Granulomatous Focal

Thyroid

Hyperplasia, Cystic

Depletion, Lymphoid

C-Cell Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Atrophy, Pressure
Clitoral gland		Dilatation, Ducts
Kidney		Nephropathy
Liver		Clear-Cell Change
		Congestion, Nos
		Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos	Hyperplasia, Focal Hyperplasia, Focal Metamorphosis, Fatty
Clitoral gland		Hyperplasia, Focal
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver	Hepatocytes Bile Duct	Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization Hyperplasia, Focal Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Thymus	Cortex	Depletion, Lymphoid
Urinary bladder		Hyperplasia, Epithelial
Uterus	Mucosa Cervix Uteri	Metaplasia, Squamous Diverticulum

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Cortex Nos

Metamorphosis, Fatty

Lymph node

Myocardium Nos

Degeneration, Nos

Mammary gland

Mesenteric Lymph Node

Inflammation, Granulomatous Focal

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Spleen

Red Pulp

Adenoma, Nos

Unspecified

Ear

Hematopoiesis

Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Spleen

Red Pulp

Hematopoiesis

Stomach

Glandular Stomach

Inflammation, Acute Focal

Unspecified

Groin

Neurilemoma, Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
		Cytoplasmic Vacuolization
		Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Follicular Nos
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Uterus		Dilatation, Nos
	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone
CAS Number: 83-79-4

Date Report Requested: 10/26/2014
Time Report Requested: 16:06:05
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_036

TRT#: 1
DOSE: 75 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Cortex Of Bone	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Granuloma, Nos
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen	Follicles	Inflammation, Granulomatous Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cortical Adenoma

Clitoral gland

Hyperplasia, Focal

Eye

Retina

Hyperplasia, Focal

Heart

Crystalline Lens

Atrophy, Focal

Liver

Myocardium Nos

Cataract

Degeneration, Nos

Mammary gland

Cytoplasmic Change, Basophilic

Pituitary gland

Inflammation, Granulomatous Focal

Thymus

Anterior Pituitary

Hyperplasia, Cystic

Uterus

Cortex

Cyst, Multiple

Depletion, Lymphoid

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Cortex Nos

Metamorphosis, Fatty

Kidney

Myocardium Nos

Degeneration, Nos

Liver

Nephropathy

Cytoplasmic Change, Basophilic

Lung

Inflammation, Granulomatous Focal

Mammary gland

Hyperplasia, Epithelial

Pituitary gland

Hyperplasia, Cystic

Anterior Pituitary

Cyst, Multiple

Thyroid

Anterior Pituitary

Hyperplasia, Focal

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Brain		Atrophy, Pressure
Clitoral gland		Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Multiple
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:05

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Brain

Cortex Nos

Metamorphosis, Fatty

Clitoral gland

Ventricle

Atrophy, Pressure

Heart

Myocardium Nos

Hydrocephalus, Nos

Kidney

Hyperplasia, Focal

Liver

Degeneration, Nos

Lung

Nephropathy

Mammary gland

Cytoplasmic Change, Basophilic

Ovary

Inflammation, Granulomatous Focal

Pituitary gland

Anterior Pituitary

Granuloma, Nos

Thyroid

Hyperplasia, Cystic

Cyst, Parovarian

Adenoma, Nos

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Brain
Clitoral gland

Cortex Nos

Hyperplasia, Focal
Atrophy, Pressure
Dilatation, Ducts
Lymphocytic Inflammatory Infiltrate

Heart
Kidney
Liver

Myocardium Nos

Degeneration, Nos
Nephropathy
Cytoplasmic Change, Basophilic
Inflammation, Granulomatous Focal

Mammary gland

Fibroadenoma
Hyperplasia, Cystic

Pituitary gland
Thyroid

Anterior Pituitary

Adenoma, Nos
Hyperplasia, C Cell

Uterus

Endometrial Gland

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Lymph node	Mandibular Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Degeneration, Cystic Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Mineralization

Lung

Hyperplasia, Epithelial

Pneumonia, Interstitial Chronic

Mammary gland

Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Cyst, Multiple

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Hepatocytes

Cytoplasmic Vacuolization

Inflammation, Granulomatous Focal

Mammary gland

Fibroadenoma

Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Multiple

Anterior Pituitary

Hyperplasia, Focal

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pancreas		Dilatation, Ducts
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Hyperplasia, Cystic
Spleen	Red Pulp	Hemosiderosis
Stomach	Glandular Stomach	Necrosis, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Neck	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Clitoral gland		Dilatation, Ducts
		Hyperplasia, Focal
		Inflammation, Granulomatous
Kidney		Mineralization
		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Parathyroid gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Embryonal Duct
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Uterus	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Ear

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Dilatation, Ducts

Mammary gland

Inflammation, Granulomatous

Fibroadenoma

Uterus

Endometrial Gland

Hyperplasia, Cystic

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Clitoral gland		Inflammation, Granulomatous Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Tooth	Gum Of Maxilla	Inflammation, Acute/Chronic
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Hemorrhage

Anterior Pituitary

Hyperplasia, Focal

Thyroid

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Liver
Pituitary gland
Thyroid
Uterus
Zymbal gland

Cortex Nos
Myocardium Nos
Hepatocytes
Anterior Pituitary

Metamorphosis, Fatty
Degeneration, Nos
Cytoplasmic Vacuolization
Cyst, Multiple
Hyperplasia, C Cell
Endometrial Stromal Polyp
Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Angiectasis

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma, Malignant

Liver

Cytoplasmic Change, Basophilic

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

DOSE: 38 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Ovary

Uterus

Granulosa-Cell Tumor

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Adenoma, Nos

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

DOSE: 38 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Clitoral gland

Liver

Adenoma, Nos

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Congestion, Nos

Cortex Nos

Metamorphosis, Fatty

Medulla

Pheochromocytoma

Kidney

Nephropathy

Lung

Pneumonia, Interstitial Chronic

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Pituitary gland	Anterior Pituitary	Cytoplasmic Vacuolization
Unspecified	Multiple Organs Nos	Adenoma, Nos
		Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Atrium

Thrombosis, Nos

Liver

Necrosis, Focal

Mammary gland

Hyperplasia, Cystic

Peritoneum

Necrosis, Fat

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Spleen

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Inflammation, Granulomatous Focal
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Adenoma, Nos

Pituitary gland

Anterior Pituitary

Cyst, Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Cytoplasmic Change, Basophilic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Spleen

Follicles

Fibroadenoma

Inflammation, Granulomatous Focal

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Skin

Nose

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Uterus

Dilatation, Nos

Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone

Metacarpal Nos

Hyperostosis

Metatarsal Nos

Hyperostosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Abscess, Nos
Eye	Retina	Atrophy, Focal
	Crystalline Lens	Cataract
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Parovarian
		Inflammation, Granulomatous Focal
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Hyperplasia, Focal
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Lung
Mammary gland

Pleura Nos

Inflammation, Acute/Chronic
Fibroadenoma
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
Pancreas	Acinus	Atrophy, Focal
Unspecified	Axilla	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Adenoma, Nos
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Skin	Tail	Keratoacanthoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Ovary

Pituitary gland

Hyperplasia, Cystic

Cyst, Parovarian

Adenoma, Nos

Angiectasis

Anterior Pituitary

Anterior Pituitary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Liver

Cytoplasmic Change, Basophilic

Mammary gland

Fibroadenoma

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Trachea

Peritracheal Tissue

Adenoma, Nos

Paraganglioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Liver

Cytoplasmic Change, Basophilic

Mammary gland

Fibroadenoma

Ovary

Cyst, Parovarian

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic
Pancreas	Acinus	Atrophy, Focal
Thymus	Medulla	Cyst, Multiple
Unspecified	Flank	Myxosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Hepatocytes	Cytoplasmic Vacuolization
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Multiple
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Lung

Pleura Nos

Congestion, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Mammary gland

Adenocarcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Cyst, Multiple

Anterior Pituitary

Hyperplasia, Focal

Uterus

Cervix Uteri

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Clear-Cell Change
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Liver

Cytoplasmic Change, Basophilic

Hepatocytes

Cytoplasmic Vacuolization

Spleen

Red Pulp

Hematopoiesis

Stomach

Glandular Stomach

Necrosis, Focal

Thyroid

Hyperplasia, C Cell

Tooth

Root

Inflammation, Acute Focal

Unspecified

Axilla

Fibrous Histiocytoma, Malignant

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Large

Cecum, Colon

Necrosis, Focal

Unspecified

Groin

Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Angiectasis

Anterior Pituitary

Hyperplasia, Focal

Salivary gland

Sarcoma, Nos, Invasive

Unspecified

Neck

Sarcoma, Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Stomach	Glandular Stomach	Inflammation, Acute Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Carcinoma, Nos, Invasive
Clitoral gland		Adenoma, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Stomach	Forestomach	Inflammation, Acute/Chronic
	Forestomach	Ulcer, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Pituitary gland

Anterior Pituitary

Cyst, Multiple

Thymus

Cortex

Depletion, Lymphoid

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Aorta Nos	Aneurysm
Heart	Myocardium Nos	Degeneration, Nos
Liver		Cytoplasmic Change, Basophilic
Ovary		Atrophy, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen	Red Pulp	Hematopoiesis
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Clitoral gland		Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Necrosis, Focal

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Stomach

Forestomach

Necrosis, Focal

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Acute/Chronic
Liver		Cytoplasmic Change, Basophilic Inflammation, Granulomatous Focal
Lung	Pleura Nos	Inflammation, Acute/Chronic Pneumonia, Interstitial Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin		Ulcer, Nos
Thyroid		C-Cell Adenoma
Unspecified	Mediastinum Nos	Inflammation, Acute/Chronic Inflammation, Acute/Chronic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Brain	Ventricle	Hydrocephalus, Nos
Clitoral gland		Inflammation, Granulomatous Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Inflammation, Granulomatous Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Cardiac Valve	Inflammation, Pyogranulomatous
Kidney		Inflammation, Acute Necrotizing Mineralization
Lung		Inflammation, Acute Diffuse
Lymph node	Mandibular Lymph Node	Hemorrhage
Unspecified	Multiple Organs Nos	Bacterial Septicemia
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Mammary gland

Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Focal

Salivary gland

Atrophy, Focal

Inflammation, Chronic Focal

Thymus

Cortex

Depletion, Lymphoid

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Eye

Crystalline Lens

Cataract

Heart

Myocardium Nos

Microphthalmia

Kidney

Degeneration, Nos

Liver

Inflammation, Acute Necrotizing

Hepatocytes

Cytoplasmic Change, Basophilic

Lung

Cytoplasmic Vacuolization

Lymph node

Inflammation, Granulomatous Focal

Mammary gland

Mediastinal Lymph Node

Inflammation, Acute Diffuse

Stomach

Glandular Stomach

Hemorrhage

Thyroid

Hyperplasia, Cystic

Unspecified

Multiple Organs Nos

Ulcer, Nos

C-Cell Adenoma

Bacterial Septicemia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone
CAS Number: 83-79-4

Date Report Requested: 10/26/2014
Time Report Requested: 16:06:06
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_012

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland Clitoral gland	Cortex Nos	Metamorphosis, Fatty Dilatation, Ducts Hyperplasia, Focal
Heart Kidney Liver	Myocardium Nos	Degeneration, Nos Nephropathy Angiectasis Cytoplasmic Change, Basophilic Inflammation, Granulomatous Focal
Lymph node Mammary gland Ovary Pituitary gland Stomach	Mediastinal Lymph Node	Inflammation, Granulomatous Focal Hyperplasia, Cystic Cyst, Parovarian
Thymus Thyroid Uterus	Anterior Pituitary Forestomach Glandular Stomach Cortex Endometrial Gland	Carcinoma, Nos Inflammation, Acute Focal Inflammation, Acute Focal Depletion, Lymphoid Hyperplasia, C Cell Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Carcinoma, Nos, Invasive
Eye	Retina	Atrophy, Focal
	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Cortex Nos	Necrosis, Focal
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Uterus	Endometrial Gland	Hyperplasia, Cystic
		Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain

Cerebrum

Atrophy, Pressure

Carcinoma, Nos, Invasive

Ventricle

Hydrocephalus, Nos

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Mammary gland

Adenoma, Nos

Pituitary gland

Anterior Pituitary

Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

DOSE: 0

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Bone marrow

Heart

Kidney

Myocardium Nos

Fibrosis, Myelo

Mineralization

Inflammation, Acute Necrotizing

Mineralization

Nephropathy

Liver

Pancreas

Spleen

Stomach

Urinary bladder

Acinus

Follicles

Glandular Stomach

Cytoplasmic Change, Basophilic

Atrophy, Focal

Depletion, Lymphoid

Mineralization

Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small	Duodenum	Inflammation, Acute Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen	Red Pulp	Fibrosis
Stomach	Glandular Stomach	Necrosis, Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Aorta Nos	Inflammation, Acute Focal
Clitoral gland		Inflammation, Granulomatous Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

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

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Clitoral gland		Dilatation, Ducts
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
	Anterior Pituitary	Hyperplasia, Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Dilatation, Nos
	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Lymphocytic Inflammatory Infiltrate
Blood vessel	Aorta Nos	Inflammation, Chronic Focal
Brain		Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mesenteric Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Adenocarcinoma, Nos
		Hyperplasia, Cystic
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Cortex Of Bone	Hyperplasia, Focal
Clitoral gland		Hyperplasia, Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Salivary gland		Hyperplasia, Focal
Thymus	Cortex	Depletion, Lymphoid
		Hemorrhage
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Clitoral gland		Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Polyp
	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver
Mammary gland

Cortex Nos
Myocardium Nos

Hyperplasia, Focal
Degeneration, Nos
Nephropathy
Cytoplasmic Change, Basophilic
Fibroadenoma
Hyperplasia, Cystic
Cyst, Follicular Nos
Cyst, Multiple
Depletion, Lymphoid
Hyperplasia, C Cell
Leukemia, Mononuclear Cell

Ovary
Pituitary gland
Thymus
Thyroid
Unspecified

Anterior Pituitary
Cortex
Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone
CAS Number: 83-79-4

Date Report Requested: 10/26/2014
Time Report Requested: 16:06:06
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_027

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Brain		Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Mineralization
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
Lung		Hyperplasia, Epithelial
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Spleen	Follicles	Depletion, Lymphoid
	Red Pulp	Hemosiderosis
Stomach	Glandular Stomach	Inflammation, Acute Focal
	Glandular Stomach	Ulcer, Nos
Thymus	Cortex	Depletion, Lymphoid
Tooth	Periodontal Tissues	Inflammation, Suppurative
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Inflammation, Granulomatous Focal
	Mediastinal Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen	Follicles	Inflammation, Granulomatous Focal
Thymus	Cortex	Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Rotenone
CAS Number: 83-79-4

Date Report Requested: 10/26/2014
Time Report Requested: 16:06:06
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_029

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty
Brain		Atrophy, Pressure
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach Glandular Stomach	Inflammation, Acute Focal Inflammation, Acute Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Degeneration, Nos

Myocardium Nos

Mineralization

Kidney

Mineralization

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Hepatocytes

Cytoplasmic Vacuolization

Lymph node

Mandibular Lymph Node

Inflammation, Granulomatous Focal

Mammary gland

Fibroadenoma

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Cyst, Nos

Salivary gland

Inflammation, Acute Focal

Spleen

Follicles

Depletion, Lymphoid

Thyroid

Hyperplasia, C Cell

Tongue

Squamous Cell Carcinoma

Urinary bladder

Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Brain	Ventricle	Atrophy, Pressure Hydrocephalus, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos Nephropathy
Liver		Cytoplasmic Change, Basophilic Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma Hyperplasia, Cystic Inflammation, Active Chronic
Nasal cavity	Mucosa	Inflammation, Active Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Axilla	Inflammation, Chronic Necrotizing

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Atrophy, Pressure
Liver	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Lymph node

Mediastinal Lymph Node

Hemorrhage

Ovary

Cyst, Follicular Nos

Granulosa-Cell Tumor

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Thymus

Cortex

Depletion, Lymphoid

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Necrosis, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Spleen	Red Pulp	Fibrosis
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Clear-Cell Change

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Pituitary gland

Anterior Pituitary

Cyst, Multiple

Thyroid

C-Cell Adenoma

Hyperplasia, C Cell

Uterus

Cervix Uteri

Diverticulum

Cervix Uteri

Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial Inflammation, Acute Necrotizing
Lung		Congestion, Acute
Spleen	Follicles	Depletion, Lymphoid
Thymus	Cortex	Depletion, Lymphoid
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Rotenone
CAS Number: 83-79-4

Date Report Requested: 10/26/2014
Time Report Requested: 16:06:06
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_037

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Ectopia
	Cortex Nos	Focal Cellular Change
	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Renal Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
	Anterior Pituitary	Hyperplasia, Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Necrosis, Focal
Clitoral gland		Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Necrosis, Focal
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Carcinoma, Nos
Eye	Retina	Atrophy, Focal
	Crystalline Lens	Cataract
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Focal Cellular Change
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Hematopoietic
Brain		Atrophy, Pressure
	Ventricle	Hydrocephalus, Nos
Clitoral gland		Dilatation, Ducts
		Inflammation, Granulomatous
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen	Follicles	Depletion, Lymphoid
Stomach	Forestomach	Inflammation, Acute Focal
	Forestomach	Ulcer, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain		Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lymph node	Mandibular Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Inflammation, Acute Focal
	Glandular Stomach	Ulcer, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Lymph node

Mediastinal Lymph Node

Hemorrhage

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Multiple

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

DOSE: 0

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas		Acinar-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Focal Cellular Change

Cortex Nos

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Brain

Atrophy, Pressure

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Inflammation, Granulomatous Focal

Lymph node

Mediastinal Lymph Node

Hemorrhage

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thymus

Cortex

Depletion, Lymphoid

Thyroid

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Stomach	Glandular Stomach	Ulcer, Nos
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Hemorrhage
	Endometrial Gland	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Rotenone
CAS Number: 83-79-4

Date Report Requested: 10/26/2014
Time Report Requested: 16:06:06
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_047

TRT#: 3
DOSE: 0

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Clitoral gland		Adenoma, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Follicular Nos
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Multiple
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Brain

Cerebrum

Astrocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Lymphocytic Inflammatory Infiltrate

Liver

Cytoplasmic Change, Basophilic

Salivary gland

Necrosis, Focal

Necrosis, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Rotenone

CAS Number: 83-79-4

Date Report Requested: 10/26/2014

Time Report Requested: 16:06:06

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Clitoral gland

Capsule

Ectopia
Dilatation, Ducts
Inflammation, Granulomatous
Degeneration, Nos
Nephropathy
Angiectasis
Cytoplasmic Change, Basophilic
Inflammation, Granulomatous Focal

Heart
Kidney
Liver

Myocardium Nos

Lymph node
Mammary gland

Mandibular Lymph Node

Hemorrhage
Fibroadenoma
Hyperplasia, Cystic
Cyst, Multiple
Hyperplasia, Focal
Depletion, Lymphoid
Depletion, Lymphoid
Hyperplasia, C Cell

Pituitary gland

Anterior Pituitary
Anterior Pituitary

Spleen
Thymus
Thyroid

Follicles
Cortex

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55210B
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Rotenone
CAS Number: 83-79-4

Date Report Requested: 10/26/2014
Time Report Requested: 16:06:06
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_050

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Focal Cellular Change
Brain		Atrophy, Pressure
	Ventricle	Hydrocephalus, Nos
Eye	Retina	Atrophy, Focal
	Crystalline Lens	Cataract
Intestine Small	Duodenum	Lymphocytic Inflammatory Infiltrate
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Granulomatous Focal
		Necrosis, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hemorrhage
Stomach	Forestomach	Inflammation, Acute/Chronic
Thyroid		Hyperplasia, C Cell
Tooth	Periodontal Tissues	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE