

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: 10:29:41

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: Male

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Harderian gland	Hardarian Gland	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Thrombosis, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Focal Cellular Change
Pituitary gland	Anterior Pituitary	Focal Cellular Change
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Spleen		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Focal
	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Cyst, Nos
		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C 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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Bone marrow

Medulla
Sup.Panc-Duod.Artery

Pheochromocytoma
Inflammation, Active Chronic
Fibrosis, Myelo

Heart
Kidney
Liver

Myocardium Nos

Hypoplasia, Hematopoietic
Degeneration, Nos
Nephropathy
Clear-Cell Change
Cytoplasmic Change, Basophilic

Mammary gland
Pancreas
Preputial gland

Acinus

Hyperplasia, Cystic
Atrophy, Focal
Inflammation, Granulomatous Focal

Testis
Thymus
Thyroid

Cortex

Interstitial-Cell Tumor
Depletion, Lymphoid
Cyst, Follicular Nos
Hyperplasia, C 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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Centrilobular	Degeneration, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Zymbal gland		Carcinoma, Nos

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Brain		Hemorrhage
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Spleen	Capsule	Fibrosis, Multifocal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Heart
Kidney
Liver

Medulla
Sup.Panc-Duod.Artery
Myocardium Nos

Pheochromocytoma
Inflammation, Active Chronic
Degeneration, Nos
Nephropathy
Cytoplasmic Change, Basophilic
Hyperplasia, Focal
Inflammation, Granulomatous Focal
Congestion, Acute
Hyperplasia, Epithelial
Inflammation, Granulomatous Focal
Hyperplasia, Cystic
Inflammation, Granulomatous Focal
Interstitial-Cell Tumor
Hyperplasia, C Cell

Lung

Bile Duct

Lymph node
Mammary gland
Preputial gland
Testis
Thyroid

Mandibular Lymph Node

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Hyperplasia, Interstitial 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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Atrophy, Pressure
	Ventricle	Hydrocephalus, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Granulomatous Focal
Nasal cavity	Turbinate Nos	Inflammation, Acute/Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Thrombosis, Nos
Intestine Large	Cecum, Colon	Edema, Nos
	Colon	Edema, Nos
	Colon	Inflammation, Acute Diffuse
	Cecum, Colon	Inflammation, Acute Focal
	Cecum, Colon	Necrosis, Focal
Intestine Small	Mesentery Nos	Inflammation, Multifocal
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
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: 10:29:41
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_010

TRT#: 1
DOSE: 75 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Degeneration, Cystic
Lymph node	Pancreatic Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Forestomach	Acanthosis
	Forestomach	Hyperkeratosis
	Forestomach	Inflammation, Acute/Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C 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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Hyperplasia, Focal Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis Cytoplasmic Change, Basophilic Degeneration, Cystic
Lymph node	Mediastinal Lymph Node Mesenteric Lymph Node	Hemorrhage Inflammation, Granulomatous Focal
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Nos
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos Thorax Abdominal Cavity	Leukemia, Mononuclear Cell Myxosarcoma Myxosarcoma, Invasive

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver
Nasal cavity
Pituitary gland
Preputial gland
Prostate
Testis
Thyroid
Unspecified

Medulla
Myocardium Nos

Mucosa
Anterior Pituitary

Multiple Organs Nos

Pheochromocytoma
Degeneration, Nos
Nephropathy
Cytoplasmic Change, Basophilic
Inflammation, Acute Focal
Hyperplasia, Focal
Inflammation, Granulomatous Focal
Inflammation, Acute/Chronic
Interstitial-Cell Tumor
Hyperplasia, C Cell
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Hyperplasia, Focal Hyperplasia, Focal Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Change, Eosinophilic Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
Spleen	Red Pulp	Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C 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: 10:29:41
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_014

TRT#: 1
DOSE: 75 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Alveolar/Bronchiolar Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Spleen	Red Pulp	Fibrosis, Focal
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
		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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Pancreas	Islets	Islet-Cell Adenoma
Parathyroid gland		Adenoma, Nos
Preputial gland		Adenoma, Nos
		Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		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: 10:29:41
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_016

TRT#: 1
DOSE: 75 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Thorax	Lipoma

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Degeneration, Cystic

Pancreas

Acinus

Atrophy, Focal

Preputial gland

Inflammation, Granulomatous Focal

Skin

Abdomen

Cyst, Epidermal Inclusion

Testis

Interstitial-Cell Tumor

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
	Papill. Muscle/Conus	Metaplasia, Cartilaginous
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Adenoma, Nos
Preputial gland		Adenoma, Nos
		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C 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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Atrophy, Diffuse
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Inflammation, Chronic Focal
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C 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: 10:29:41
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_020

TRT#: 1
DOSE: 75 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Focal Cellular Change Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Duodenum	Necrosis, Focal
Kidney	Cortex	Cyst, Nos Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Glandular Stomach Forestomach Glandular Stomach	Inflammation, Acute Focal Inflammation, Acute/Chronic Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
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: 10:29:41
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone	Maxilla	Squamous Cell Carcinoma
Eye	Anterior Chamber	Hemorrhage
	Cornea	Inflammation, Acute Focal
	Cornea	Ulcer, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
Lymph node	Mandibular Lymph Node	Inflammation, Acute Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
Lymph node	Mediastinal Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Inflammation, Acute Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Degeneration, Cystic Necrosis, Focal
Lung		Inflammation, Acute Suppurative
Lymph node	Mandibular Lymph Node	Inflammation, Acute/Chronic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Preputial gland		Inflammation, Granulomatous Focal
Spleen	Red Pulp	Pigmentation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Rectum	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Medulla

Pheochromocytoma, Malignant

Heart

Myocardium Nos

Degeneration, Nos

Intestine Large

Rectum

Parasitism

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Degeneration, Cystic

Bile Duct

Hyperplasia, Focal

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Cyst, Nos

Preputial gland

Inflammation, Granulomatous Focal

Prostate

Inflammation, Acute/Chronic

Stomach

Glandular Stomach

Inflammation, Acute Focal

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Cyst, Follicular Nos

Hyperplasia, C Cell

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Brain

Hemorrhage

Kidney

Nephropathy

Nasal cavity

Mucosa

Inflammation, Acute Diffuse

Pancreas

Islets

Islet-Cell Adenoma

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Necrosis, Diffuse

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
	Aorta Nos	Mineralization
Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
		Degeneration, Cystic
Lung		Mineralization
		Pneumonia, Interstitial Chronic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Glandular Stomach	Mineralization
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Metamorphosis, Fatty Necrosis, Focal Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Granulomatous Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Hyperplasia, Epithelial
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos Thorax	Leukemia, Mononuclear Cell Neurofibrosarcoma

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Degeneration, Nos

Liver

Angiectasis

Cytoplasmic Change, Basophilic

Hepatocytes

Cytoplasmic Vacuolization

Mammary gland

Hyperplasia, Cystic

Nasal cavity

Mucosa

Inflammation, Acute Focal

Pancreas

Acinus

Atrophy, Focal

Preputial gland

Inflammation, Granulomatous Focal

Testis

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Blood vessel	Cortex Nos	Metamorphosis, Fatty
Bone marrow	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Heart	Myocardium Nos	Fibrosis, Myelo Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis Cytoplasmic Change, Basophilic Degeneration, Cystic Neoplastic Nodule
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Hyperplasia, Focal Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Harderian gland

Medulla
Sup.Panc-Duod.Artery
Hardarian Gland
Hardarian Gland
Myocardium Nos

Heart
Kidney
Liver
Mammary gland
Nasal cavity
Pituitary gland
Preputial gland
Prostate
Testis

Mucosa
Anterior Pituitary

Thyroid

Pheochromocytoma
Inflammation, Active Chronic
Inflammation, Necrotizing
Regeneration, Nos
Degeneration, Nos
Nephropathy
Degeneration, Cystic
Hyperplasia, Cystic
Inflammation, Acute Focal
Adenoma, Nos
Inflammation, Granulomatous Focal
Inflammation, Acute/Chronic
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
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: 10:29:41
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_033

TRT#: 1
DOSE: 75 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver		Cytoplasmic Change, Basophilic
Mammary gland	Bile Duct	Hyperplasia, Focal Adenocarcinoma, Nos Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Dilatation, Ducts Hyperplasia, Focal Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Esophagus		Inflammation, Acute/Chronic
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Inflammation, Granulomatous Focal
	Mediastinal Lymph Node	Inflammation, Granulomatous Focal
Parathyroid gland		Adenoma, Nos
		Inflammation, Acute/Chronic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Skin	Face	Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Inflammation, Acute/Chronic
Unspecified	Mediastinum Nos	Inflammation, Acute/Chronic
	Neck	Inflammation, Acute/Chronic
	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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Eye	Retina	Atrophy, Focal
	Crystalline Lens	Cataract
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Inguinal Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas		Acinar-Cell Adenoma
	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Carcinoma, Nos
Spleen	Red Pulp	Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Cyst, Follicular Nos
		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: 10:29:41

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Male

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
	Bile Duct	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Spleen	Red Pulp	Fibrosis, Focal
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mediastinal Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Eosinophilic
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Multiple
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Cyst, Nos
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_040

TRT#: 1
DOSE: 75 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Kidney

Nephropathy

Lung

Inflammation, Acute Suppurative

Nasal cavity

Mucosa

Inflammation, Acute Necrotizing

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
	Atrium	Thrombosis, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Pituitary gland	Anterior Pituitary	Cytoplasmic Vacuolization
Preputial gland		Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Spleen	Red Pulp	Fibrosis, Multifocal
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor
		Mesothelioma, 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver	Hepatocytes Bile Duct	Cytoplasmic Vacuolization Hyperplasia, Focal
Parathyroid gland		Focal Cellular Change
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Multiple
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Spleen	Red Pulp	Fibrosis, Multifocal
Stomach	Forestomach Glandular Stomach Forestomach	Inflammation, Acute Focal Inflammation, Acute Focal Ulcer, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_045

TRT#: 1
DOSE: 75 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Clear-Cell Change
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Preputial gland		Adenoma, Nos
		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Liver

Cortex Nos
Myocardium Nos

Hyperplasia, Focal
Degeneration, Nos
Nephropathy
Clear-Cell Change
Cytoplasmic Change, Basophilic
Cytoplasmic Change, Eosinophilic
Degeneration, Cystic

Mammary gland
Nasal cavity
Pancreas
Pituitary gland
Preputial gland
Stomach
Testis
Thyroid

Bile Duct

Mucosa
Acinus
Anterior Pituitary

Hyperplasia, Focal
Hyperplasia, Cystic
Inflammation, Acute Focal
Atrophy, Focal
Cyst, Nos
Inflammation, Granulomatous Focal
Inflammation, Acute Focal
Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
Lung		Alveolar/Bronchiolar Carcinoma
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Spleen	Red Pulp	Hematopoiesis
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
	Islets	Islet-Cell Adenoma
Parathyroid gland		Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Inflammation, Acute/Chronic
		Nephrosis, Hydro
Lymph node	Mandibular Lymph Node	Depletion, Lymphoid
Pancreas	Acinus	Atrophy, Focal
Prostate		Inflammation, Acute/Chronic
Spleen	Follicles	Depletion, Lymphoid
	Red Pulp	Pigmentation, 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone	Scapula	Osteoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Preputial gland

Testis

Thyroid

Adenoma, Nos

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver
Mammary gland
Testis

Bile Duct

Hyperplasia, Focal
Adenocarcinoma, Nos
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

Thyroid
Unspecified

Multiple Organs Nos

Hyperplasia, C Cell
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Focal
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Liver

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Degeneration, Nos
Cytoplasmic Change, Basophilic
Degeneration, Cystic

Lymph node

Mediastinal Lymph Node
Mediastinal Lymph Node

Depletion, Lymphoid
Hemorrhage

Preputial gland

Skin

Abdomen

Inflammation, Granulomatous Focal

Testis

Thyroid

Unspecified

Keratoacanthoma
Interstitial-Cell Tumor
Hyperplasia, C Cell
Fibrosarcoma
Fibrosarcoma, Metastatic

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Pancreas	Acinus	Atrophy, Focal
Skin	Flank	Inflammation, Acute/Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Atrophy, Pressure
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Ulcer, Nos
Testis		Hyperplasia, Interstitial Cell
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Preputial gland

Testis

Thyroid

Adenoma, Nos

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Pancreas	Acinus
Pituitary gland	Anterior Pituitary
Testis	
Thyroid	
Unspecified	Multiple Organs Nos

Atrophy, Focal
Adenoma, Nos
Interstitial-Cell Tumor
Hyperplasia, C Cell
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

Tunica Vaginalis

Mesothelioma, 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Preputial gland

Spleen

Testis

Thyroid

Red Pulp

Carcinoma, Nos

Hematopoiesis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Preputial gland

Testis

Thyroid

Unspecified

Multiple Organs Nos

Carcinoma, Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Carcinoma, 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Thyroid

Unspecified

Shoulder

Interstitial-Cell Tumor

Hyperplasia, C Cell

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Medulla

Hyperplasia, Focal

Pancreas

Acinus

Atrophy, Focal

Preputial gland

Adenoma, Nos

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

DOSE: 38 PPM

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Salivary gland

Testis

Thyroid

Squamous Cell Carcinoma, Uncertain Prim/Meta

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney
Preputial gland
Testis
Thyroid

Nephropathy
Adenoma, Nos
Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Skin

Lip Nos

Sebaceous Adenoma

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Skin

Trichoepithelioma

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Liver

Medulla

Pheochromocytoma

Seminal vesicle

Angiectasis

Testis

Degeneration, Cystic

Thyroid

Fibrosis, Multifocal

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Atrium	Thrombosis, Nos
Liver	Bile Duct	Cyst, Nos
	Bile Duct	Hyperplasia, Focal
Mammary gland		Fibroadenoma
Skin	Neck	Basal-Cell Tumor
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Hepatocellular Carcinoma
Pancreas	Acinus	Atrophy, Focal
Stomach	Glandular Stomach	Necrosis, Focal
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

Red Pulp

Fibrosis, Multifocal

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Necrosis, Diffuse
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Intermedia	Cyst, Multiple
Stomach	Forestomach	Squamous Cell Papilloma
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Bile Duct

Angiectasis

Testis

Thyroid

Unspecified

Multiple Organs Nos

Hyperplasia, Focal

Interstitial-Cell Tumor

Hyperplasia, C Cell

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver

Cytoplasmic Change, Basophilic

Degeneration, Cystic

Bile Duct

Hyperplasia, Focal

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Spleen	Red Pulp	Fibrosis, Multifocal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Pituitary gland

Anterior Pituitary

Focal Cellular Change

Preputial gland

Inflammation, Granulomatous Focal

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

DOSE: 38 PPM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Skin
Testis
Thyroid

Keratoacanthoma
Interstitial-Cell Tumor
C-Cell Adenoma
C-Cell Carcinoma

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Thyroid

Interstitial-Cell Tumor

Follicular-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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver		Angiectasis
	Bile Duct	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Carcinoma, Nos
Spleen	Red Pulp	Fibrosis, Multifocal
		Mesothelioma, Nos
Testis		Interstitial-Cell Tumor
		Mesothelioma, 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Angiectasis
Lung		Degeneration, Cystic
Testis		Hyperplasia, Epithelial
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
		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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Atrium

Thrombosis, Nos

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Lung

Metaplasia, Osseous

Lymph node

Bronchial Lymph Node

Depletion, Lymphoid

Mandibular Lymph Node

Depletion, Lymphoid

Mediastinal Lymph Node

Depletion, Lymphoid

Mesenteric Lymph Node

Depletion, Lymphoid

Bronchial Lymph Node

Hemorrhage

Mandibular Lymph Node

Hemorrhage

Mediastinal Lymph Node

Hemorrhage

Mesenteric Lymph Node

Hemorrhage

Spleen

Follicles

Depletion, Lymphoid

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Testis

Thyroid

Cyst, Nos

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Spleen

Follicles

Depletion, Lymphoid

Testis

Red Pulp

Fibrosis, Focal

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 38 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Degeneration, Nos

Testis

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Lymph node	Mediastinal Lymph Node	Inflammation, Granulomatous Focal
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Preputial gland		Inflammation, Granulomatous Focal
Spleen	Red Pulp	Fibrosis, Multifocal
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Brain		Hemorrhage
Harderian gland	Harderian Gland Harderian Gland	Inflammation, Chronic Focal Regeneration, Nos
Heart	Myocardium Nos Atrium	Degeneration, Nos Thrombosis, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Adenoma, Nos Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Glandular Stomach	Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Preputial gland		Inflammation, Granulomatous Focal
Spleen	Capsule	Cyst, Nos
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Blood vessel	Aorta Nos	Inflammation, Acute Focal
Heart	Myocardium Nos	Degeneration, Nos
	Epicardium	Inflammation, Acute Focal
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
		Pyelonephritis, Acute
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Preputial gland		Dilatation, Ducts
		Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Stomach	Glandular Stomach	Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder	Cavity	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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Capsule

Ectopia

Cortex Nos

Metamorphosis, Fatty

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Intestine Large

Colon

Parasitism

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Lymph node

Inguinal Lymph Node

Plasmacytosis

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Cyst, Nos

Preputial gland

Adenoma, Nos

Spleen

Red Pulp

Fibrosis, Multifocal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Skin	Thorax	Keratoacanthoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Brain		Necrosis, Focal
Kidney		Infarct, Acute Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Forestomach	Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Hyperplasia, Interstitial 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Hepatocytes

Necrosis, Diffuse

Mammary gland

Hyperplasia, Cystic

Nasal cavity

Mucosa

Inflammation, Acute Diffuse

Stomach

Glandular Stomach

Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Bone marrow		Fibrosis, Myelo
Epididymis		Inflammation, Chronic Focal
Heart	Aortic Valve Nos	Degeneration, Nos
	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Epididymis

Heart

Kidney

Liver

Lymph node

Mammary gland

Testis

Urinary bladder

Myocardium Nos

Bile Duct

Mediastinal Lymph Node

Dilatation, Nos

Degeneration, Nos

Nephropathy

Hyperplasia, Focal

Hemorrhage

Hyperplasia, Cystic

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Inflammation, Acute 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Preputial gland		Inflammation, Granulomatous Focal
Stomach	Forestomach	Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Brain

Cortex Nos

Metamorphosis, Fatty
Atrophy, Pressure
Mineralization

Heart
Kidney
Liver

Myocardium Nos

Degeneration, Nos
Nephropathy
Angiectasis
Cytoplasmic Change, Basophilic

Mammary gland

Hyperplasia, Cystic

Nasal cavity

Mucosa

Inflammation, Acute Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Testis

Hyperplasia, Interstitial Cell

Unspecified

Back

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Adenoma, Nos
		Inflammation, Granulomatous Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Cortex Nos

Hyperplasia, Focal

Medulla

Hyperplasia, Focal

Kidney

Nephropathy

Liver

Congestion, Nos

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Anterior Pituitary

Adenoma, Nos

Pituitary gland

Preputial gland

Inflammation, Granulomatous Focal

Prostate

Inflammation, Acute/Chronic

Testis

Hyperplasia, Interstitial Cell

Thymus

Cortex

Interstitial-Cell Tumor

Thyroid

Depletion, Lymphoid

Follicular-Cell Carcinoma

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Ventricle	Hydrocephalus, Nos
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Abscess, Chronic
Seminal vesicle		Abscess, Chronic
Stomach	Forestomach	Inflammation, Acute/Chronic
	Forestomach	Ulcer, Nos
Testis		Necrosis, Diffuse
Thyroid		Hyperplasia, C Cell
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Brain		Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Stomach	Glandular Stomach	Ulcer, Nos
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_019

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hyperplasia, Granulocytic
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Hemorrhage, Chronic
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Hyperplasia, Epithelial
	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Spleen	Red Pulp	Hematopoiesis
		Sarcoma, Nos
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

DOSE: 0

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Blood vessel	Aorta Nos	Inflammation, Active Chronic
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Adenoma, Nos
		Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Spleen	Red Pulp	Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Cyst, Follicular 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Atrophy, Pressure
	Ventricle	Hydrocephalus, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute/Chronic
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Focal Cellular Change

Blood vessel

Sup.Panc-Duod.Artery

Inflammation, Active Chronic

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Cytoplasmic Change, Basophilic

Pancreas

Bile Duct

Hyperplasia, Focal

Testis

Acinus

Atrophy, Focal

Thymus

Cortex

Interstitial-Cell Tumor

Thyroid

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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_023

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver		Degeneration, Cystic
Lymph node	Lumbar Lymph Node	Plasmacytosis
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Abscess, Nos
		Adenoma, Nos
		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Spleen	Red Pulp	Fibrosis, Multifocal
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Esophagus		Inflammation, Acute Necrotizing
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen	Follicles	Depletion, Lymphoid
Testis		Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Kidney

Nephropathy

Liver

Bile Duct

Hyperplasia, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Stomach

Forestomach

Acanthosis

Testis

Forestomach

Inflammation, Chronic Focal

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Cortex Of Bone	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Rectum	Parasitism
Kidney		Nephropathy
		Tubular-Cell Adenocarcinoma
Liver	Bile Duct	Hyperplasia, Focal
		Neoplastic Nodule
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Hip	Fibroma
	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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Preputial gland		Inflammation, Granulomatous Focal
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Cortex	Cyst, Nos
		Nephropathy
Liver		Angiectasis
		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thymus		Cyst, Embryonal Duct
	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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_029

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Hypertrophy, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hemorrhage
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Brain		Hemorrhage
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_032

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Rectum	Parasitism
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
	Islets	Islet-Cell Adenoma
Preputial gland		Cyst, Nos
		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Cyst, Follicular 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Cortex Nos Medulla	Focal Cellular Change Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery Sup.Panc-Duod.Artery	Inflammation, Active Chronic Mineralization
Bone marrow		Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Stomach	Glandular Stomach	Mineralization
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephropathy

Liver

Degeneration, Cystic

Bile Duct

Hyperplasia, Focal

Nasal cavity

Mucosa

Inflammation, Acute Focal

Pancreas

Acinus

Atrophy, Focal

Preputial gland

Cyst, Nos

Spleen

Red Pulp

Inflammation, Granulomatous Focal

Testis

Fibrosis, Multifocal

Interstitial-Cell Tumor

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Bone	Cortex Of Bone	Hyperplasia, Focal
Intestine Large	Colon	Parasitism
Intestine Small	Jejunum	Granuloma, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Heart	Aortic Valve Nos	Degeneration, Nos
	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Adenoma, Nos
Preputial gland		Inflammation, Granulomatous Focal
Spleen	Red Pulp	Fibrosis, Focal
Stomach	Glandular Stomach	Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma
		Cyst, Follicular 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Blood vessel	Sup.Panc-Duod.Artery	Inflammation, Active Chronic
Bone marrow		Hyperplasia, Granulocytic
Intestine Large	Colon	Inflammation, Acute Diffuse
Intestine Small	Duodenum	Inflammation, Acute Diffuse
	Jejunum	Inflammation, Acute Diffuse
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
		Necrosis, Focal
Lung		Alveolar/Bronchiolar Carcinoma
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pancreas		Inflammation, Acute Diffuse
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Carcinoma, Nos
Spleen	Red Pulp	Hematopoiesis
Stomach	Forestomach	Inflammation, Acute Focal
	Glandular Stomach	Inflammation, Acute Focal
	Forestomach	Ulcer, Nos
	Glandular Stomach	Ulcer, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Necrosis, Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Mesothelioma, Metastatic

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Blood vessel	Mediastinal Artery Nos	Inflammation, Active Chronic
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver		Cytoplasmic Change, Basophilic Cytoplasmic Change, Eosinophilic Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Preputial gland		Abscess, Nos Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Spleen	Red Pulp	Fibrosis, Multifocal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Tongue		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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_040

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Angiectasis Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Skin	Abdomen	Cyst, Epidermal Inclusion
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma
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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_041

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Focal Cellular Change Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal Neoplastic Nodule
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Testis		Interstitial-Cell Tumor
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Hyperplasia, Cystic
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Spleen	Red Pulp	Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		C-Cell Adenoma
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Thymic Lymph Node	Inflammation, Granulomatous Focal
Nasal cavity	Mucosa	Inflammation, Chronic Focal
Prostate		Inflammation, Acute/Chronic
Testis		Atrophy, 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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_044

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Focal Cellular Change Hyperplasia, Focal
Heart	Myocardium Nos Atrium	Degeneration, Nos Inflammation, Acute/Chronic
Kidney		Nephropathy
Liver		Angiectasis Cytoplasmic Change, Eosinophilic Degeneration, Cystic
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Adenoma, Nos Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Spleen	Red Pulp	Fibrosis, Multifocal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
Unspecified	Thorax Multiple Organs Nos	Fibroma 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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Inflammation, Granulomatous Focal
Mammary gland		Fibroadenoma
Nasal cavity	Mucosa	Inflammation, Acute Focal
Preputial gland		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		Hyperplasia, C Cell
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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Chronic Focal
Preputial gland		Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Testis		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
		Hyperplasia, Epithelial
Unspecified	Thorax	Inflammation, Granulomatous Focal
	Thorax	Lipoma

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Lung		Alveolar/Bronchiolar Carcinoma Pneumonia, Interstitial Chronic
Lymph node	Mediastinal Lymph Node	Inflammation, Granulomatous Focal
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Multiple
Preputial gland		Carcinoma, Nos Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Zymbal gland		Carcinoma, Nos

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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephropathy
Liver		Cytoplasmic Change, Basophilic
		Degeneration, Cystic
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Carcinoma
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Adenoma, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thymus	Cortex	Depletion, Lymphoid
Thyroid		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: 10:29:42

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Eye
Heart
Kidney
Liver

Medulla
Nasolacrimal Duct
Myocardium Nos

Hyperplasia, Focal
Squamous Cell Carcinoma
Degeneration, Nos
Nephropathy
Cytoplasmic Change, Basophilic
Degeneration, Cystic
Hyperplasia, Focal
Inflammation, Granulomatous Focal
Hyperplasia, Cystic
Focal Cellular Change
Interstitial-Cell Tumor
Depletion, Lymphoid
Hyperplasia, C Cell

Lymph node
Mammary gland
Pancreas
Testis
Thymus
Thyroid

Bile Duct
Mandibular Lymph Node

Cortex

PRIMARY CAUSE OF DEATH

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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: 10:29:42
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_050

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Interstitial Chronic
Mammary gland		Hyperplasia, Cystic
Nasal cavity	Mucosa	Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Cyst, Multiple
Preputial gland		Inflammation, Granulomatous Focal
Prostate		Inflammation, Acute/Chronic
Spleen	Red Pulp	Fibrosis, Multifocal
Stomach	Forestomach	Inflammation, Acute Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE