

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

C Number: C55925

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Clitoral gland		Atrophy, Nos
		Hyperplasia, Nos
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
		Tubular-Cell Adenoma
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Cyst, Nos
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Clitoral gland		Atrophy, Nos
		Carcinoma, Nos
		Hyperplasia, Nos
		Inflammation, Chronic Focal
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
	Cornea	Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Hyperplasia, Focal
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Chronic Focal
		Pigmentation, Nos
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Pheochromocytoma
Clitoral gland		Atrophy, Nos
Heart		Fibrosis, Focal Inflammation, Chronic Focal
Kidney		Mineralization Nephropathy Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Stomach	Glandular Stomach Forestomach	Atrophy, Focal Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos Abdominal Cavity	Histiocytic Sarcoma Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Hyperplasia, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Peliosis Hepatis
Lung		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Cyst, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Urinary bladder	Submucosa	Inflammation, Chronic Focal
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Hyperplasia, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
		Pigmentation, Nos
Lung		Pigmentation, Nos
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Unspecified	Mediastinum Nos	Hemorrhage
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Atrophy, Nos
		Inflammation, Suppurative
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Atrophy, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Retina	Atrophy, Focal
Heart		Inflammation, Chronic Focal
Kidney	Pelvis	Hyperplasia, Epithelial
		Mineralization
		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mesenteric Lymph Node	Hyperplasia, Plasma Cell
Mammary gland		Adenoma, Nos
		Lactation
Ovary		Cyst, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Intestine Large	Rectum	Dilatation, Nos
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
Lung		Congestion, Nos
		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Edema, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Atrophy, Focal
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
		Hyperplasia, Nos
Kidney	Tubule	Mineralization
		Necrosis, Focal
		Nephropathy
		Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Cytoplasmic Change, Basophilic
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
	Forestomach	Ulcer, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Brain		Hemorrhage
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Hemorrhage
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Congestion, Nos
		Foreign Body, Nos
		Inflammation, Acute Focal
Lymph node	Mandibular Lymph Node	Congestion, Nos
Nasal cavity		Foreign Body, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Intermedia	Hyperplasia, Focal
Stomach	Forestomach	Edema, Nos
	Forestomach	Erosion
	Forestomach	Inflammation, Acute Focal
Thymus		Hemorrhage
		Involution, Nos
Thyroid		Cyst, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Brain		Congestion, Nos
Heart		Inflammation, Chronic Focal
Intestine Small	Mucosa, Duodenum	Hemorrhage
Kidney		Mineralization
Liver		Congestion, Nos
Lung		Congestion, Nos
		Hemorrhage
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Nasal cavity		Congestion, Nos
		Foreign Body, Nos
		Inflammation, Acute Focal
Ovary		Congestion, Nos
Pituitary gland	Anterior Pituitary	Congestion, Nos
Stomach	Forestomach	Edema, Nos
	Forestomach	Hemorrhage
	Forestomach	Ulcer, Nos
Thymus		Congestion, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Inflammation, Chronic Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen	Capsule	Fibrosis, Focal
Thymus		Involution, Nos
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Inflammation, Chronic Focal
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney	Pelvis	Hyperplasia, Epithelial Mineralization Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Edema, Nos
Mammary gland		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Necrosis, Focal
Thymus		Involution, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
		Mineralization
Kidney		Mineralization
		Nephropathy
Liver		Necrosis, Focal
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Hemorrhage
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin		Squamous Cell Papilloma
Spleen		Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Congestion, Nos
		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Unspecified	Abdominal Cavity	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Lymph node	Hepatic Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Clitoral gland

Cortex Nos
Pulmonary Artery Nos

Hyperplasia, Focal
Mineralization
Atrophy, Nos
Inflammation, Chronic Focal
Inflammation, Chronic Focal
Cyst, Nos
Nephropathy

Heart
Kidney

Liver
Pancreas
Pituitary gland
Thymus
Thyroid
Uterus

Hepatocytes
Acinus
Anterior Pituitary

Endometrium
Cervix Uteri

Cytoplasmic Change, Basophilic
Atrophy, Focal
Hyperplasia, Focal
Involution, Nos
C-Cell Adenoma
Cyst, Nos
Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lung		Pigmentation, Nos
		Sarcoma, Nos, Metastatic
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
	Mandibular Lymph Node	Sarcoma, Nos, Metastatic
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
	Face	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Necrosis, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lung		Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Angiectasis
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Cyst, Nos
		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
Lung		Hyperplasia, Alveolar Epithelium
		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
	Acinus	Cytoplasmic Change, Basophilic
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Unspecified	Face	Inflammation, Chronic Focal
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Atrophy, Nos
		Hyperplasia, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Hemorrhage
Lymph node	Mesenteric Lymph Node	Edema, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Atrophy, Focal
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
Uterus		Cyst, Nos
Zymbal gland		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
		Carcinoma, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Cytoplasmic Change, Basophilic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Urinary bladder	Submucosa	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Atrophy, Focal
	Glandular Stomach	Ulcer, Nos
Thymus		Involution, Nos
Unspecified	Abdominal Cavity	Mesothelioma, Nos
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Lactation
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Fibrosis, Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone		Fibrous Osteodystrophy
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver		Congestion, Nos
		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
		Congestion, Nos
Mammary gland		Adenocarcinoma, Nos
		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Atrophy, Diffuse
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Bone		Fibrous Osteodystrophy
Brain		Hemorrhage
Clitoral gland		Atrophy, Nos
		Hyperplasia, Nos
Heart		Inflammation, Chronic Focal
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Degeneration, Nos
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
		Hyperplasia, Alveolar Epithelium
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone		Fibrous Osteodystrophy
Clitoral gland		Atrophy, Nos
Eye	Retina	Atrophy, Diffuse
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cyst, Hemorrhagic
		Hematopoiesis
	Bile Duct	Hyperplasia, Focal
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Inflammation, Chronic Focal
Esophagus		Inflammation, Chronic
Eye	Conjunctiva	Inflammation, Acute Focal
	Sclera	Inflammation, Chronic Focal
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
Lung		Hemorrhage
Lymph node	Mesenteric Lymph Node	Hemorrhage
Pancreas		Inflammation, Chronic Focal
Salivary gland		Inflammation, Chronic Focal
Skeletal muscle		Inflammation, Chronic Focal
Stomach	Forestomach	Hyperplasia, Epithelial
Thyroid		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Adenoma, Nos
		Atrophy, Nos
Eye	Retina	Atrophy, Focal
	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Atrophy, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone		Fibrous Osteodystrophy
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Cyst, Nos
		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
		Pigmentation, Nos
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Atrophy, Focal
Salivary gland		Atrophy, Focal
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Atrophy, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Bone marrow		Hyperplasia, Reticulum Cell
Brain		Hemorrhage
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Degeneration, Nos
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Unspecified	Face	Hemorrhage
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_037

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Atrophy, Nos
Eye	Retina	Atrophy, Focal
	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Mineralization
		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Mammary gland		Adenocarcinoma, Nos
		Lactation
Pituitary gland	Anterior Pituitary	Pigmentation, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
	Glandular Stomach	Necrosis, Focal
	Forestomach	Ulcer, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
	Cornea	Vascularization
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Carcinoma, Nos, Metastatic
		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thyroid		C-Cell Adenoma
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Hydrometra
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone		Fibrous Osteodystrophy
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Congestion, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Abnormal Curvature
		Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Atrophy, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Hemorrhage
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Salivary gland		Atrophy, Focal
		Cytoplasmic Change, Basophilic
Thymus		Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Capsule	Hyperplasia, Focal
	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Hydrocephalus, Nos
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
	Lacrimal Gland	Pigmentation, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
Lung		Alveolar Macrophages
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Congestion, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
Thymus		Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Adenoma, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Hepatic Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Abnormal Curvature
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Brain		Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Hemorrhage
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
		Hemorrhage
		Inflammation, Acute Focal
		Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Congestion, Nos
Ovary		Hemorrhage
		Necrosis, Focal
Pancreas	Acinus	Atrophy, Focal
		Hemorrhage
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Forestomach	Hyperplasia, Epithelial
Thymus		Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Brain		Congestion, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
Liver		Necrosis, Focal
Lung		Congestion, Nos
		Hemorrhage
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Nasal cavity		Hemorrhage
Ovary		Congestion, Nos
Pituitary gland	Anterior Pituitary	Congestion, Nos
Thymus		Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Hydrocephalus, Nos
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Hematopoiesis
Lung		Hemorrhage
		Inflammation, Chronic Focal
		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Atrophy, Nos
		Inflammation, Suppurative
Eye	Anterior Chamber	Inflammation, Acute Focal
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
		Inflammation, Chronic Focal
Mammary gland		Lactation
Nasal cavity		Inflammation, Acute Focal
Oral mucosa	Palate Nos	Squamous Cell Papilloma
Pancreas	Acinus	Cytoplasmic Change, Basophilic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin	Ear	Papilloma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Mineralization
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 2000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel
Clitoral gland
Kidney

Pulmonary Artery Nos

Mineralization

Lung
Mammary gland

Atrophy, Nos

Mineralization

Nephropathy

Pigmentation, Nos

Nasal cavity

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Inflammation, Acute Focal

Thymus

Hyperplasia, Focal

Unspecified

Multiple Organs Nos

Involution, Nos

Uterus

Leukemia, Mononuclear Cell

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Bone		Fibrous Osteodystrophy
Kidney		Cyst, Nos
		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Alveolar Macrophages
Lymph node	Thoracic Lymph Node	Hyperplasia, Plasma Cell
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Acute Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Eye	Crystalline Lens	Degeneration, Nos
Heart		Inflammation, Chronic Focal
Kidney		Congestion, Nos
		Mineralization
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lung		Congestion, Nos
		Foreign Body, Nos
		Hemorrhage
Lymph node	Mesenteric Lymph Node	Hemorrhage
Nasal cavity		Foreign Body, Nos
		Hemorrhage
Stomach	Forestomach	Inflammation, Acute Focal
	Forestomach	Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell
Uterus	Cervix Uteri	Cyst, Epidermal Inclusion
	Cervix Uteri	Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Mineralization

Liver

Nephropathy

Hepatocytes

Abnormal Curvature

Mammary gland

Cytoplasmic Change, Basophilic

Pancreas

Acinus

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Thyroid

Anterior Pituitary

Atrophy, Focal

Uterus

Cervix Uteri

Adenoma, Nos

Cyst, Nos

C-Cell Carcinoma

Cyst, Epidermal Inclusion

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone		Fibrous Osteodystrophy
Heart		Inflammation, Chronic Focal
Kidney	Pelvis	Hyperplasia, Epithelial Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Foreign Body, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Skin	Thorax	Cyst, Epidermal Inclusion
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Adenoma, Nos
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Infarct, Nos
Lung		Congestion, Nos
		Inflammation, Chronic Focal
Lymph node	Hepatic Lymph Node	Hyperplasia, Plasma Cell
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity		Foreign Body, Nos
Pancreas	Acinus	Cytoplasmic Change, Eosinophilic
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Tooth		Inflammation, Chronic Focal
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Fibrosis Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Intermedia	Angiectasis
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Blood vessel	Aorta Nos	Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Hemorrhage
		Mineralization
Liver	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
Lymph node	Mandibular Lymph Node	Congestion, Nos
Pancreas	Acinus	Atrophy, Focal
Stomach	Forestomach	Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone marrow		Hyperplasia, Reticulum Cell
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thyroid		C-Cell Adenoma Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver
Lung
Mammary gland

Hepatocytes

Cytoplasmic Change, Basophilic
Alveolar/Bronchiolar Adenoma
Fibroadenoma
Hyperplasia, Cystic

Nasal cavity
Pituitary gland

Anterior Pituitary

Inflammation, Acute Focal
Cyst, Nos

Thyroid
Unspecified
Uterus

Multiple Organs Nos

Hyperplasia, C Cell
Leukemia, Mononuclear Cell
Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Lung		Congestion, Nos
		Edema, Nos
	Bronchiole	Foreign Body, Nos
		Hemorrhage
Lymph node	Mesenteric Lymph Node	Hemorrhage
Nasal cavity		Hemorrhage
Ovary		Congestion, Nos
Pancreas		Hemorrhage
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Atrophy, Diffuse
Stomach	Forestomach	Edema, Nos
	Forestomach	Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Hepatocytes

Mineralization

Cytoplasmic Vacuolization

Congestion, Nos

Edema, Nos

Hemorrhage

Hemorrhage

Nasal cavity

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Bone		Fibrous Osteodystrophy
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary Anterior Pituitary	Cyst, Nos Hyperplasia, Focal
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Nasolacrimal Duct Cornea	Inflammation, Acute Focal Mineralization
Heart		Inflammation, Chronic Focal
Kidney		Mineralization Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Eye	Retina	Atrophy, Diffuse
	Crystalline Lens	Degeneration, Nos
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Kidney		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Foreign Body, Nos
		Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin	Tail	Hyperkeratosis
Spleen		Pigmentation, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone marrow		Hyperplasia, Reticulum Cell
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thyroid		Hyperplasia, C Cell
Tooth		Inflammation, Chronic Focal
Unspecified	Mediastinum Nos	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone		Fibrous Osteodystrophy
Eye	Anterior Chamber	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Cyst, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Mineralization
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver		Abnormal Curvature
	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Mineralization

Liver

Nephropathy

Hepatocytes

Congestion, Nos

Cytoplasmic Change, Basophilic

Inflammation, Chronic Focal

Lung

Congestion, Nos

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic

Lymph node

Bile Duct

Hyperplasia, Focal

Pituitary gland

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Spleen

Anterior Pituitary

Hyperplasia, Focal

Thyroid

Hematopoiesis

Uterus

Follicular-Cell Carcinoma

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Anterior Chamber	Inflammation, Acute Focal
Kidney		Nephropathy
Liver		Congestion, Nos
Lung		Congestion, Nos
Oral mucosa	Palate Nos	Squamous Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Clitoral gland		Carcinoma, Nos
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Hematopoiesis
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Intermedia	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thyroid		Cyst, Follicular Nos
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Eye

Cortex Nos

Hyperplasia, Focal

Kidney

Nasolacrimal Duct

Inflammation, Acute Focal

Liver

Hepatocytes

Mineralization

Nephropathy

Cytoplasmic Change, Basophilic

Mammary gland

Inflammation, Chronic Focal

Pancreas

Acinus

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Atrophy, Focal

Thyroid

Hyperplasia, Focal

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Large
Kidney

Cortex Nos
Cecum, Colon

Hyperplasia, Focal
Inflammation, Chronic Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic
Inflammation, Chronic Focal

Lymph node
Mammary gland

Mesenteric Lymph Node

Cyst, Multiple
Fibroadenoma

Pituitary gland
Thyroid

Anterior Pituitary

Hyperplasia, Cystic
Hyperplasia, Focal
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone		Fibrous Osteodystrophy
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hemorrhage
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
		Inflammation, Chronic Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone		Fibrous Osteodystrophy
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
		Pigmentation, Nos
Liver		Congestion, Nos
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Alveolar Macrophages
		Congestion, Nos
Mammary gland		Hyperplasia, Cystic
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Mineralization

Nephropathy

Pigmentation, Nos

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Mononuclear Cell

Uterus

Abdominal Cavity

Necrosis, Fat

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Pigmentation, Nos
Liver		Congestion, Nos
	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Congestion, Nos
		Hemorrhage
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
Nasal cavity		Hemorrhage
Ovary		Necrosis, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Forestomach	Edema, Nos
	Forestomach	Hemorrhage
	Forestomach	Inflammation, Acute Focal
Unspecified	Mediastinum Nos	Hemorrhage
	Mediastinum Nos	Inflammation, Acute Focal
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic
Inflammation, Acute Focal

Mammary gland

Fibroadenoma
Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Intermedia

Angiectasis

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Clitoral gland		Adenoma, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Oral mucosa	Palate Nos	Squamous Cell Papilloma
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Mineralization

Liver

Hepatocytes

Nephropathy

Pancreas

Acinus

Cytoplasmic Change, Basophilic

Pituitary gland

Anterior Pituitary

Inflammation, Chronic Focal

Skin

Lip Nos

Atrophy, Focal

Cyst, Nos

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Lung

Cortex Nos

Congestion, Nos
Inflammation, Chronic Focal
Mineralization
Congestion, Nos
Foreign Body, Nos
Hemorrhage
Inflammation, Acute Focal

Nasal cavity
Pituitary gland

Anterior Pituitary
Anterior Pituitary

Foreign Body, Nos
Congestion, Nos
Hyperplasia, Focal
Congestion, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Atrophy, Nos
		Hyperplasia, Nos
Kidney	Tubule	Degeneration, Nos
		Mineralization
		Nephropathy
Liver		Abnormal Curvature
	Hepatocytes	Cytoplasmic Change, Basophilic
		Necrosis, Focal
Lung		Pigmentation, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Intermedia	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Fibrous Histiocytoma, Malignant
	Thorax	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Atrophy, Nos

Kidney

Inflammation, Suppurative

Mineralization

Liver

Nephropathy

Abnormal Curvature

Hepatocytes

Cytoplasmic Change, Basophilic

Inflammation, Chronic Focal

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver		Abnormal Curvature
	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Harderian gland	Hardarian Gland	Pigmentation, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Hemorrhage
Esophagus		Hemorrhage
		Inflammation, Suppurative
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
		Congestion, Nos
		Hemorrhage
		Inflammation, Acute Focal
Nasal cavity		Foreign Body, Nos
Ovary		Hemorrhage
Pituitary gland	Anterior Pituitary	Cyst, Nos
Stomach	Forestomach	Edema, Nos
	Forestomach	Inflammation, Acute Focal
Thymus		Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
Liver		Necrosis, Focal
Lung		Foreign Body, Nos
Ovary		Hemorrhage
Pancreas		Hemorrhage
Thymus		Inflammation, Chronic Focal
Urinary bladder	Muscularis	Hemorrhage
		Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Nos
Bone		Fibrous Osteodystrophy
Kidney	Pelvis	Dilatation, Nos Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lung		C-Cell Carcinoma, Metastatic
Ovary		Cyst, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Hyperplasia, Focal
Skeletal muscle		C-Cell Carcinoma, Metastatic
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lymph node		Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart		Inflammation, Chronic Focal
Kidney		Mineralization Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization Hematopoiesis
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Endometrial Stromal Sarcoma, Metastatic
Pancreas		Hemorrhage Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Acute Focal
Thymus		Involution, Nos Necrosis, Focal
Uterus		Endometrial Stromal Polyp Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver		Hematopoiesis
Lung	Bronchiole	Alveolar Macrophages
		Hyperplasia, Epithelial
		Inflammation, Chronic Focal
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thymus		Involution, Nos
Uterus		Hemangiosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Vacuolization
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
	Glandular Stomach	Necrosis, Focal
	Forestomach	Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver		Abnormal Curvature
	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Inflammation, Interstitial
		Mineralization
Mammary gland		Carcinoma, Nos
		Fibroadenoma
		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone		Fibrous Osteodystrophy
Eye	Cornea	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
Nasal cavity		Inflammation, Acute Focal
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Mineralization
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic
Inflammation, Chronic Focal

Mammary gland

Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thymus

Anterior Pituitary

Hyperplasia, Focal

Thyroid

Involution, Nos

Uterus

Hyperplasia, C Cell

Leiomyoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone		Fibrous Osteodystrophy
Heart		Inflammation, Chronic Focal
Kidney		Cyst, Nos
	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Lung		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity		Inflammation, Acute Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 250 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hypertrophy, Focal

Kidney

Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic

Mammary gland

Hyperplasia, Cystic

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic
Leukemia, Mononuclear Cell

Pancreas

Acinus

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Hyperplasia, C Cell

Unspecified

Abdominal Cavity

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone		Fibrous Osteodystrophy
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Acute Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Inflammation, Acute Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Unspecified	Abdominal Cavity	Inflammation, Suppurative
	Multiple Organs Nos	Mineralization
	Abdominal Cavity	Necrosis, Fat
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

DOSE: 500 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
Liver		Congestion, Nos
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
		Edema, Nos
		Inflammation, Acute Focal
Lymph node		Hyperplasia, Plasma Cell
Nasal cavity		Congestion, Nos
		Foreign Body, Nos
		Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Congestion, Nos
	Anterior Pituitary	Cyst, Nos
Thymus		Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lung		Alveolar Macrophages
Lymph node	Mesenteric Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Necrosis, Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Stomach	Glandular Stomach	Ulcer, Nos
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Angiectasis Hyperplasia, Nos Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Adenoma, Nos
Kidney		Mineralization Nephropathy Pigmentation, Nos
Liver	Hepatocytes Hepatocytes Bile Duct	Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary Anterior Pituitary	Cyst, Nos Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Pelvis	Dilatation, Nos Mineralization Nephropathy Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Plasma Cell
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Angiectasis
Skin	Lip Nos	Squamous Cell Papilloma
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hydrocephalus, Nos
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Atrophy, Nos
Eye	Retina	Atrophy, Diffuse
	Crystalline Lens	Degeneration, Nos
Kidney		Mineralization
		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Kidney		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Bone		Fibrous Osteodystrophy
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Cyst, Hemorrhagic
	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Atrophy, Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Bone		Fibrous Osteodystrophy
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney	Pelvis	Hyperplasia, Epithelial
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Unspecified	Multiple Organs Nos	Mineralization
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos
Medulla

Hyperplasia, Focal
Hyperplasia, Nos

Kidney

Mineralization

Liver

Nephropathy

Abnormal Curvature

Mammary gland

Inflammation, Chronic Focal

Pituitary gland

Anterior Pituitary

Hyperplasia, Cystic

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Abnormal Curvature
Cytoplasmic Vacuolization
Inflammation, Chronic Focal

Mammary gland

Hyperplasia, Cystic

Nasal cavity

Hemorrhage

Pancreas

Acinus

Hyperplasia, Focal

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Clitoral gland		Adenoma, Nos
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla Medulla	Hyperplasia, Focal Hyperplasia, Nos Pheochromocytoma
Kidney		Mineralization Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Diffuse
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Hyperplasia, Focal
Skin	Face	Basal-Cell Tumor
Spleen		Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos Abdominal Cavity	Leukemia, Mononuclear Cell Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Inflammation, Chronic Focal
Ovary		Thecoma
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Mediastinum Nos	Hemorrhage
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hydrocephalus, Nos
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Inflammation, Chronic Focal
	Forestomach	Ulcer, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_018

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic
Inflammation, Chronic Focal

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Thyroid

Anterior Pituitary

Hyperplasia, Focal

Uterus

Hyperplasia, C Cell

Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Bone		Fibrous Osteodystrophy
Kidney	Pelvis	Hyperplasia, Epithelial
		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lymph node	Mesenteric Lymph Node	Edema, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		C-Cell Carcinoma
Tongue		Squamous Cell Papilloma
Unspecified	Mediastinum Nos	Hemorrhage
	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Harderian gland	Hardarian Gland	Pigmentation, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Hematopoiesis
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Foreign Body, Nos
		Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Stomach	Forestomach	Inflammation, Chronic Focal
	Forestomach	Ulcer, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytoplasmic Vacuolization

Heart

Cortex Nos

Hyperplasia, Focal

Kidney

Inflammation, Chronic Focal

Mineralization

Liver

Hepatocytes

Nephropathy

Cytoplasmic Change, Basophilic

Pancreas

Bile Duct

Hyperplasia, Focal

Pituitary gland

Acinus

Atrophy, Focal

Thyroid

Anterior Pituitary

Cyst, Nos

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Nos
Bone		Fibrous Osteodystrophy
Kidney		Cyst, Nos Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Forestomach Forestomach	Hyperplasia, Epithelial Inflammation, Chronic Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Kidney

Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic

Mammary gland

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Anterior Pituitary

Hyperplasia, Focal

Multiple Organs Nos

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Nos
Bone		Fibrous Osteodystrophy
Eye	Cornea	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Congestion, Nos
	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Forestomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Mineralization
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Hyperplasia, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Cyst, Nos
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
		Pigmentation, Nos
Lymph node	Renal Lymph Node	Edema, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
		Inflammation, Suppurative
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin	Perineum	Trichoepithelioma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Granulocytic
Kidney		Cyst, Nos
		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Focal
Spleen		Atrophy, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone		Fibrous Osteodystrophy
Eye	Cornea	Inflammation, Acute Focal
	Cornea	Mineralization
Kidney		Mineralization
		Nephropathy
		Tubular-Cell Adenoma
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Angiectasis

Liver

Cyst, Nos

Nephropathy

Pituitary gland

Hepatocytes

Congestion, Nos

Cytoplasmic Change, Basophilic

Anterior Pituitary

Adenoma, Nos

Anterior Pituitary

Cyst, Nos

Intermedia

Cyst, Nos

Posterior Lobe

Gliosis

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Mammary gland		Adenoma, Nos
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Intermedia	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thyroid		C-Cell Carcinoma
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
Nasal cavity		Infarct, Focal
Stomach	Forestomach	Hemorrhage
Thymus		Hyperplasia, Epithelial
		Hemorrhage
		Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Mineralization

Liver

Hepatocytes

Nephropathy

Pancreas

Acinus

Cytoplasmic Change, Basophilic

Skin

Tail

Inflammation, Chronic Focal

Spleen

Atrophy, Focal

Thyroid

Cyst, Epidermal Inclusion

Hematopoiesis

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lung		Alveolar Macrophages
		Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Atrophy, Focal
	Forestomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Hydrometra
		Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hemorrhage
Blood vessel	Aorta Nos	Mineralization
Brain		Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
Liver		Hematopoiesis
Lung		Alveolar Macrophages
Pancreas		Pigmentation, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Epithelial
Thymus		Involution, Nos
Trachea	Submucosa	Dilatation, Ducts
Zymbal gland		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hemorrhage

Kidney

Mineralization

Lung

Edema, Nos

Lymph node

Inflammation, Acute

Stomach

Forestomach

Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Mammary gland		Fibroadenoma
		Galactocele
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Infarct, Nos
Unspecified	Abdominal Cavity	Hyperplasia, Lymphoid
	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos
Bone marrow		Hyperplasia, Granulocytic
Heart		Dilatation, Nos
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lymph node	Thoracic Lymph Node	Hyperplasia, Plasma Cell
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
		Inflammation, Chronic Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thymus		Involution, Nos
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Mineralization

Liver

Hepatocytes

Nephropathy

Bile Duct

Cytoplasmic Change, Basophilic

Mammary gland

Hyperplasia, Focal

Inflammation, Chronic Focal

Pigmentation, Nos

Pancreas

Acinus

Fibroadenoma

Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Atrophy, Focal

Cyst, Nos

Thyroid

Anterior Pituitary

Hyperplasia, Focal

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic

Pancreas

Bile Duct

Hyperplasia, Focal

Pituitary gland

Acinus

Atrophy, Focal

Uterus

Intermedia

Cyst, Nos

Anterior Pituitary

Hyperplasia, Focal

Endometrium

Adenoma, Nos

Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hyperplasia, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic
Inflammation, Chronic Focal
Involution, Nos

Thymus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Peliosis Hepatis
Mammary gland		Fibroadenoma Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary Anterior Pituitary	Adenoma, Nos Cyst, Nos
Thyroid		C-Cell Adenoma
Uterus		Leiomyosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Intermedia	Cyst, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Mediastinum Nos	Hemorrhage
Uterus		Endometrial Stromal Polyp Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Hypertrophy, Focal
Mineralization
Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic
Hematopoiesis

Mammary gland

Adenocarcinoma, Nos
Hyperplasia, Cystic

Pituitary gland

Anterior Pituitary

Cyst, Nos

Thyroid

Hyperplasia, C Cell

Uterus

Endometrial Stromal Polyp
Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cyst, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Cyst, Nos
		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Posterior Lobe	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
Harderian gland	Hardarian Gland	Pigmentation, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver		Pigmentation, Nos
		Congestion, Nos
		Necrosis, Focal
Lung		Alveolar Macrophages
Lymph node	Mesenteric Lymph Node	Hemorrhage
	Mandibular Lymph Node	Necrosis, Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Involution, Nos
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_046

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Bone marrow		Hyperplasia, Reticulum Cell
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Abnormal Curvature
Thyroid		C-Cell Adenoma
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cyst, Nos

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Bone

Fibrous Osteodystrophy

Kidney

Nephropathy

Liver

Hepatocytes

Cytoplasmic Change, Basophilic

Lung

Congestion, Nos

Mammary gland

Hyperplasia, Cystic

Parathyroid gland

Hyperplasia, Nos

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Unspecified

Anterior Pituitary

Cyst, Nos

Multiple Organs Nos

Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Kidney

Medulla

Pheochromocytoma

Liver

Hepatocytes

Mineralization

Mammary gland

Nephropathy

Cytoplasmic Change, Basophilic

Pancreas

Acinus

Fibroadenoma

Atrophy, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Hemorrhage
		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Urinary bladder	Submucosa	Inflammation, Acute Focal
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Nos
Bone		Fibrous Osteodystrophy
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Mineralization Nephropathy
Liver	Hepatocytes Bile Duct	Cytoplasmic Change, Basophilic Hyperplasia, Focal Inflammation, Chronic Focal
Lung		Hemorrhage Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_001

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
		Hyperplasia, Nos
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
		Peliosis Hepatis
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Spleen		Atrophy, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_002

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland		Hyperplasia, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
		Lactation
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Involution, Nos
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_003

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_004

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Clitoral gland
Eye
Harderian gland
Heart
Kidney
Liver

Cortex Nos
Pulmonary Artery Nos

Cornea
Hardarian Gland

Mandibular Lymph Node

Anterior Pituitary

Cervix Uteri
Cervix Uteri

Zymbal gland

Angiectasis
Mineralization
Atrophy, Nos
Inflammation, Acute Focal
Pigmentation, Nos
Inflammation, Chronic Focal
Nephropathy
Hemorrhage
Necrosis, Focal
Hyperplasia, Plasma Cell
Fibroadenoma
Cyst, Nos
Involution, Nos
Cyst, Epidermal Inclusion
Inflammation, Suppurative
Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_005

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Spleen		Atrophy, Diffuse
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Urinary bladder	Mucosa	Transitional-Cell Carcinoma
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_006

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_007

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
		Cyst, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity		Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Cyst, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_008

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_009

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Necrosis, Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Spleen		Hematopoiesis
Thymus		Involution, Nos
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_010

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
		Necrosis, Focal
Lung		Pigmentation, Nos
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_011

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Hydrocephalus, Nos
Harderian gland	Hardarian Gland	Fibrosis
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
Lymph node	Mandibular Lymph Node	Cyst, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Nasal cavity		Foreign Body, Nos
		Inflammation, Acute Focal
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Atrophy, Focal
	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
	Forestomach	Ulcer, Nos
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Leiomyoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_012

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Hydrocephalus, Nos
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Nos
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_013

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
		Hyperplasia, Nos
Heart		Inflammation, Chronic Focal
Kidney		Pigmentation, Nos
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
		Necrosis, Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Intermedia	Cyst, Nos
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_014

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Carcinoma, Nos
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Hematopoiesis
Lung		Carcinoma, Nos, Metastatic
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Thymus		Involution, Nos
Uterus	Cervix Uteri	Cyst, Epidermal Inclusion

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_015

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Clitoral gland

Cortex Nos
Pulmonary Artery Nos

Angiectasis
Mineralization
Atrophy, Nos
Cyst, Nos

Heart
Intestine Large
Kidney

Cecum, Colon

Inflammation, Chronic Focal
Inflammation, Acute Focal
Nephropathy
Pigmentation, Nos

Liver

Bile Duct

Abnormal Curvature
Hyperplasia, Focal

Lung
Lymph node
Mammary gland
Pituitary gland

Thoracic Lymph Node

Pigmentation, Nos
Hyperplasia, Reticulum Cell
Hyperplasia, Cystic

Thymus

Anterior Pituitary

Hyperplasia, Focal

Unspecified

Multiple Organs Nos

Involution, Nos
Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_016

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Medulla	Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Cyst, Nos
		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_017

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Intestine Large	Cecum, Colon	Congestion, Nos
	Cecum, Colon	Edema, Nos
Intestine Small	Ileum	Congestion, Nos
Kidney		Nephropathy
		Pigmentation, Nos
Liver	Hepatocytes	Degeneration, Nos
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Angiectasis
	Thoracic Lymph Node	Angiectasis
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Unspecified	Abdominal Cavity	Inflammation, Chronic Focal
	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_018

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Congestion, Nos Hyperplasia, Focal
Bone		Osteosclerosis
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Congestion, Nos
Lymph node	Mesenteric Lymph Node	Congestion, Nos
Mammary gland		Adenocarcinoma, Nos Lactation
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Atrophy, Nos Pigmentation, Nos
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_019

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Adenoma, Nos
		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Abnormal Curvature
	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Alveolar Macrophages
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_020

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Clitoral gland		Carcinoma, Nos
Heart		Inflammation, Chronic Focal
Kidney		Infarct, Nos
		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Lymph node	Inguinal Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Cyst, Nos
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Intermedia	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Tongue		Squamous Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_021

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Hyperplasia, Nos
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes Bile Duct	Cytoplasmic Change, Basophilic Hyperplasia, Focal Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Involution, Nos
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_022

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Bone		Osteosclerosis
Clitoral gland		Carcinoma, Nos
		Hyperplasia, Nos
Eye	Retina	Atrophy, Diffuse
	Crystalline Lens	Degeneration, Nos
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Necrosis, Focal
		Nephropathy
Liver	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Intermedia	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
Unspecified	Groin	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_023

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Hemorrhage
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Intermedia	Cyst, Nos
Thymus		Involution, Nos
Thyroid		Cyst, Nos
Unspecified	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_024

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Atrophy, Focal
Thymus		Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_025

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Mandibular Lymph Node	Cyst, Nos
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Salivary gland		Inflammation, Chronic Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_026

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Blood vessel
Clitoral gland

Cortex Nos
Pulmonary Artery Nos

Cytoplasmic Vacuolization
Mineralization
Atrophy, Nos
Cyst, Nos

Heart
Kidney
Liver

Inflammation, Chronic Focal
Nephropathy
Cytoplasmic Change, Basophilic
Cytoplasmic Vacuolization
Hyperplasia, Focal

Hepatocytes
Hepatocytes
Bile Duct

Ovary
Pancreas
Pituitary gland
Thymus
Unspecified

Cyst, Nos
Inflammation, Chronic Focal
Hyperplasia, Focal
Involution, Nos
Hemorrhage
Leukemia, Mononuclear Cell

Anterior Pituitary

Abdominal Cavity
Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_027

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
Bone marrow		Hyperplasia, Granulocytic
Clitoral gland		Carcinoma, Nos
Heart		Inflammation, Chronic Focal
Liver		Abnormal Curvature
	Hepatocytes	Cytoplasmic Vacuolization
Lung		Carcinoma, Nos, Metastatic
		Inflammation, Chronic Focal
Lymph node		Cyst, Nos
	Pancreatic Lymph Node	Hematopoiesis
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Stomach	Glandular Stomach	Atrophy, Focal
	Forestomach	Hyperplasia, Epithelial
Thymus		Involution, Nos
Urinary bladder	Mucosa	Hyperplasia, Epithelial
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_028

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Mineralization
Bone		Osteosclerosis
Bone marrow		Hyperplasia, Reticulum Cell
Clitoral gland		Atrophy, Nos
Eye	Retina	Atrophy, Focal
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver		Cyst, Hemorrhagic
	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos
		Hyperplasia, Cystic
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
		Leiomyoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_029

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos
Brain	
Clitoral gland	
Heart	
Kidney	
Liver	
Lung	
Mammary gland	
Pituitary gland	Anterior Pituitary
Thymus	

Mineralization
Hydrocephalus, Nos
Atrophy, Nos
Inflammation, Chronic Focal
Nephropathy
Inflammation, Chronic Focal
Pigmentation, Nos
Fibroadenoma
Hyperplasia, Cystic
Adenoma, Nos
Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_030

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Retina	Atrophy, Diffuse
	Crystalline Lens	Degeneration, Nos
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
		Periarteritis
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas		Periarteritis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_031

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Hematopoiesis
Lung		Congestion, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Congestion, Nos
		Involution, Nos
Thyroid		Cyst, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_032

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos Pulmonary Artery Nos	Mineralization Thrombosis, Nos
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Congestion, Nos
	Hepatocytes	Cytoplasmic Change, Basophilic
Lung		Chordoma, Metastatic
		Congestion, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hematopoiesis
Thymus		Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_033

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Pulmonary Artery Nos	Mineralization
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Hemorrhage
		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Lactation
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
Unspecified	Face	Inflammation, Suppurative
	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_034

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
		Pigmentation, Nos
Lung		Pigmentation, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma
Unspecified	Chest	Basal-Cell Tumor
	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_035

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Brain		Astrocytoma
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
Lung		Alveolar Macrophages
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_036

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Pulmonary Artery Nos	Mineralization
Bone		Osteosclerosis
Clitoral gland		Atrophy, Nos
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Congestion, Nos
	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Alveolar/Bronchiolar Carcinoma
		Congestion, Nos
		Hyperplasia, Alveolar Epithelium
Mammary gland		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_037

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Necrosis, Focal
Lung		Follicular-Cell Carcinoma, Metastatic
		Pigmentation, Nos
Ovary		Inflammation, Chronic Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Follicular-Cell Carcinoma
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_038

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney	Tubule	Necrosis, Focal
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Galactocele
		Hyperplasia, Cystic
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_039

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_040

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Bone		Osteosclerosis
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Abnormal Curvature
	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Congestion, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thymus		Involution, Nos
Unspecified	Groin	Inflammation, Suppurative
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_041

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Abdominal Cavity	Necrosis, Fat
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_042

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Fibrosis, Focal
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Eye	Retina	Atrophy, Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
		Necrosis, Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thymus		Involution, Nos
Urinary bladder	Submucosa	Inflammation, Chronic Focal
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_043

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Meningioma
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver		Congestion, Nos
	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Congestion, Nos
Lymph node	Mandibular Lymph Node	Congestion, Nos
	Mesenteric Lymph Node	Hemorrhage
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Cyst, Nos
Thymus		Hemorrhage
		Involution, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_044

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Hemorrhage Hyperplasia, Focal Hyperplasia, Nos
Clitoral gland		Atrophy, Nos
Kidney		Infarct, Nos Nephropathy
Liver	Hepatocytes Hepatocytes Bile Duct	Pigmentation, Nos Cytoplasmic Change, Basophilic Cytoplasmic Vacuolization Hyperplasia, Focal
Lung		Alveolar Macrophages
Mammary gland		Lactation
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_045

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Hepatocytes	Cytoplasmic Vacuolization
		Peliosis Hepatis
Lung		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hematopoiesis
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_046

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Inflammation, Suppurative
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Angiectasis
	Anterior Pituitary	Cyst, Nos
Salivary gland		Atrophy, Focal
Skeletal muscle	Trunk	Hemorrhage
Skin		Hemorrhage
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Tail	Abnormal Curvature
	Face	Inflammation, Suppurative
	Abdominal Cavity	Necrosis, Fat
Uterus	Cervix Uteri	Cyst, Epidermal Inclusion
		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_047

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Intestine Large	Colon	Edema, Nos
	Colon	Hemorrhage
	Colon	Inflammation, Acute Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Vacuolization
Lung		Alveolar Macrophages
Mammary gland		Hyperplasia, Cystic
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hyperplasia, Focal
Salivary gland		Inflammation, Acute Focal
Stomach	Glandular Stomach	Atrophy, Focal
	Forestomach	Hyperplasia, Epithelial
	Glandular Stomach	Ulcer, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_048

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Blood vessel	Pulmonary Artery Nos	Mineralization
Brain		Hydrocephalus, Nos
Clitoral gland		Atrophy, Nos
Eye	Nasolacrimal Duct	Inflammation, Acute Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Vacuolization
		Inflammation, Chronic Focal
Lung		Inflammation, Chronic Focal
		Pigmentation, Nos
Mammary gland		Lactation
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell
Uterus		Endometrial Stromal Polyp
		Hydrometra

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_049

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
Clitoral gland		Atrophy, Nos
Heart		Inflammation, Chronic Focal
Kidney		Mineralization
		Nephropathy
Liver	Hepatocytes	Clear-Cell Change
	Hepatocytes	Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin	Cheek	Hyperplasia, Epithelial
Thymus		Involution, Nos
Uterus		Hydrometra

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C55925

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydrochlorothiazide

CAS Number: 58-93-5

Date Report Requested: 10/26/2014

Time Report Requested: 10:46:46

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 4_050

TRT#: 4

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Mineralization
Clitoral gland		Atrophy, Nos
Harderian gland	Hardarian Gland	Inflammation, Chronic Focal
Heart		Inflammation, Chronic Focal
Kidney		Nephropathy
Liver	Hepatocytes	Cytoplasmic Change, Basophilic
		Inflammation, Chronic Focal
Lung		Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Thymus		Involution, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE