

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

C Number: C01741

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Mammary gland	Mammary Lobule	Hyperplasia, Nos
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Brain

Eye

Kidney

Thyroid

Trachea

Pheochromocytoma

Corpora Amylacea

Gliosis

Inflammation, Granulomatous

Inflammation, Chronic

C-Cell Adenoma

Hyperplasia, C Cell

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Pituitary gland

Pheochromocytoma

Inflammation, Chronic

Hyperplasia, Focal

Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
Uterus		Lymphoma, Undifferentiated-Malignant Type
		Adenocarcinoma, Nos
	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative
	Endometrium	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Granuloma, Nos

Mammary gland

Fibroadenoma

Galactocele

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Thyroid

Hyperplasia, C Cell

Trachea

Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Liver	Bile Duct	Fibrosis
		Hyperplasia, Focal
Mammary gland		Fibroma
Pancreas	Acinus	Atrophy, Nos
		Fibrosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver	Hyperplasia, Focal
Pituitary gland	Chromophobe Adenoma
Thyroid	Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Clitoral gland

Cystic Ducts

Kidney

Hyperplasia, Nos

Liver

Inflammation, Chronic

Thyroid

Hyperplasia, Focal

Hyperplasia, C Cell

Uterus

Endometrium

Hyperplasia, Follicular Cell

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Mammary gland

Galactocele

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Thyroid

Trachea

Uterus

Endometrium

Chromophobe Adenoma

C-Cell Adenoma

Hyperplasia, C Cell

Inflammation, Suppurative

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Ovary

Thyroid

Pheochromocytoma

Inflammation, Chronic

Hyperplasia, Focal

Alveolar/Bronchiolar Carcinoma

Inflammation, Suppurative

C-Cell Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung	Bronchus	Bronchiectasis
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Ovary

Inflammation, Suppurative

Uterus

Endometrium

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver
Spleen
Thyroid
Trachea

Bile Duct

Hyperplasia, Nos
Lymphoma, Undifferentiated-Malignant Type
Hyperplasia, C Cell
Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Pituitary gland

Chromophobe Adenoma

Thyroid

Follicular-Cell Carcinoma

Trachea

Hyperplasia, C Cell

Uterus

Endometrium

Inflammation, Suppurative

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Tubule

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_051

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Hyperplasia, Focal

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_052

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Thyroid

Inflammation, Chronic
Chromophobe Adenoma
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_053

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Unspecified	Adipose Tissue	Inflammation, Granulomatous
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_054

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatocytomegaly
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_055

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_061

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Pituitary gland

Unspecified

Uterus

Multiple Organs Nos

Endometrium

Inflammation, Chronic

Chromophobe Adenoma

Hemangioma

Lymphoma, Undifferentiated-Malignant Type

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_062

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Thyroid
Trachea

Inflammation, Chronic
Chromophobe Adenoma
Hyperplasia, C Cell
Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_063

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Thyroid
Trachea

Inflammation, Chronic
Chromophobe Adenoma
Hyperplasia, C Cell
Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_064

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Liver

Lung

Mammary gland

Pituitary gland

Thyroid

Trachea

Uterus

Bile Duct

Endometrium

Endometrium

C-Cell Carcinoma, Metastatic

Inflammation, Chronic

Hyperplasia, Nos

C-Cell Carcinoma, Metastatic

Fibroadenoma

Chromophobe Adenoma

C-Cell Carcinoma

C-Cell Carcinoma, Invasive

Hyperplasia, Nos

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_065

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Trachea

Inflammation, Suppurative

Uterus

Endometrium

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_071

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
		Fibrosis
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Adenoma
Trachea		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_072

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatocytomegaly
		Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Nos
		Fibrosis
Pituitary gland		Chromophobe Adenoma
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Hyperplasia, Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_073

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Ovary		Adenocarcinoma, Nos, Invasive
Pituitary gland		Chromophobe Adenoma
Spleen		Fibrosis, Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus		Adenocarcinoma, Nos
	Endometrium	Endometrial Stromal Sarcoma
		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_075

TRT#: 1

SEX: Female

DAY ON TEST:

DOSE: 800 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney
Pituitary gland
Trachea

Inflammation, Chronic
Chromophobe Adenoma
Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Unspecified

Mediastinum Nos

Osteosarcoma

Uterus

Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
	Bronchiole	Hyperplasia, Epithelial
	Bronchiole	Inflammation, Suppurative
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pituitary gland

Chromophobe Adenoma

Stomach

Inflammation, Nos

Trachea

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Nos
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Mammary gland		Fibroadenoma
Pancreas		Fibrosis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Ovary

Abscess, Nos

Spleen

Hematopoiesis

Uterus

Endometrium

Lymphoma, Undifferentiated-Malignant Type

Hyperplasia, Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Hyperplasia, Focal
Lung	Alveolar Macrophages
	Hemorrhage
Mammary gland	Galactocele
Thyroid	C-Cell Carcinoma
Trachea	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

DOSE: 400 PPM

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Hyperplasia, Focal
Lung	Congestion, Nos
Pituitary gland	Chromophobe Adenoma
Thyroid	C-Cell Adenoma
	Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Hyperplasia, Focal
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Ovary		Inflammation, Chronic
Pituitary gland		Chromophobe Adenoma
Trachea		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Lung

Congestion, Nos

Pituitary gland

Chromophobe Adenoma

Urinary bladder

Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Cytomegaly

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Metamorphosis, Fatty

Lung

Alveolar Macrophages

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal Necrosis, Focal
Lung		Congestion, Nos
Uterus	Bronchiole	Inflammation, Suppurative
	Endometrium	Endometrial Stromal Polyp Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Lung

Congestion, Nos

Thyroid

Hyperplasia, C Cell

Trachea

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Small

Ileum

Adenocarcinoma, Nos

Kidney

Inflammation, Chronic

Pancreas

Duct Nos

Adenocarcinoma, Nos, Invasive

Stomach

Ulcer, Focal

Urinary bladder

Muscularis

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Lung		Congestion, Nos
Mammary gland		Fibroadenoma
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Ovary		Inflammation, Suppurative
Pancreas		Fibrosis
Pituitary gland		Chromophobe Adenoma
Skin	Eyelid Nos	Ulcer, Focal
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Kidney

Inflammation, Chronic

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Mammary gland		Fibroadenoma
		Galactocele
Ovary		Inflammation, Suppurative
Pituitary gland		Chromophobe Adenoma
Trachea		Inflammation, Chronic
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2

DOSE: 400 PPM

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Hyperplasia, Focal
Mammary gland	Galactocele
Thyroid	C-Cell Adenoma
Trachea	Inflammation, Chronic
Uterus	Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_051

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_052

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Ovary

Inflammation, Suppurative

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_053

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Liver		Hyperplasia, Focal
Mammary gland	Mammary Lobule	Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_054

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Pituitary gland

Chromophobe Adenoma

Thyroid

Hyperplasia, C Cell

Trachea

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_061

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Hyperplasia, Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_062

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Lung	Bronchiole	Inflammation, Suppurative
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_063

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Pancreas	Islets	Hyperplasia, Nos
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_064

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Ovary		Inflammation, Suppurative
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_065

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

Bile Duct

Hyperplasia, Nos

Uterus

Endometrium

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_071

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Eye	Cornea	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_072

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatocytomegaly
		Hyperplasia, Focal
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Carcinoma
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_073

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Hyperplasia, Focal
Lung		Undifferentiated Carcinoma, Metastatic
Lymph node	Mandibular Lymph Node	Undifferentiated Carcinoma, Metastatic
Mammary gland		Fibroadenoma
Pancreas		Fibrosis
Spleen		Hematopoiesis
		Lymphoma, Undifferentiated-Malignant Type
Trachea		Inflammation, Suppurative
Unspecified		Undifferentiated Carcinoma
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_074

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart

Myocardium Nos

Fibrosis

Kidney

Inflammation, Chronic

Liver

Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_075

TRT#: 2

SEX: Female

DAY ON TEST:

DOSE: 400 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephroblastoma

Pancreas

Fibrosis

Spleen

Lymphoma, Undifferentiated-Malignant Type

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
Thyroid		C-Cell Adenoma
Uterus		Endometrial Stromal Sarcoma
	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
Lung	Bronchiole	Inflammation, Suppurative
Pancreas	Acinus	Atrophy, Nos
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Hemorrhage
Mammary gland		Galactocele
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_014

TRT#: 3

DOSE: 0

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Pituitary gland

Thyroid

Trachea

Inflammation, Chronic

Hyperplasia, Focal

Chromophobe Adenoma

Hyperplasia, C Cell

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Necrosis, Focal

Lung

Alveolar Macrophages

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney		Inflammation, Chronic
Liver		Hepatocytomegaly
Mammary gland		Adenocarcinoma, Nos
Ovary		Cyst, Nos
Spleen		Hematopoiesis
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Ureter		Hyperplasia, Epithelial
Uterus		Endometrial Stromal Polyp
	Endometrium	Inflammation, Suppurative
	Endometrium	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Fibroadenoma
Pituitary gland		Chromophobe Adenoma
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Pancreas	Acinus	Atrophy, Nos
Thyroid		Hyperplasia, C Cell
Trachea		Inflammation, Suppurative
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Uterus	Endometrium	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Hyperplasia, Focal
Lung	Congestion, Nos
Trachea	Inflammation, Suppurative
Uterus	Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_031

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hyperplasia, Focal
	Bile Duct	Hyperplasia, Nos
Mammary gland		Galactocele
Pituitary gland		Chromophobe Adenoma
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Trachea		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Unspecified

Neck

Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

DOSE: 0

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Mammary gland

Ovary

Thyroid

Inflammation, Chronic

Fibroadenoma

Abscess, Nos

C-Cell Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Phenformin hydrochloride

CAS Number: 834-28-6

Date Report Requested: 10/26/2014

Time Report Requested: 14:41:26

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

SEX: Female

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver	Centrilobular	Necrosis, Focal
Pituitary gland		Chromophobe Adenoma
Spleen		Lymphoma, Undifferentiated-Malignant Type
Trachea		Inflammation, Chronic
Uterus		Endometrial Stromal Polyp

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C01741
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Phenformin hydrochloride
CAS Number: 834-28-6

Date Report Requested: 10/26/2014
Time Report Requested: 14:41:26
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_035

TRT#: 3
DOSE: 0

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Kidney	Pelvis	Hyperplasia, Epithelial
Liver		Hyperplasia, Focal
Pancreas	Acinus	Atrophy, Nos Fibrosis
Pituitary gland		Chromophobe Adenoma
Spleen		Hematopoiesis
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Trachea		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Uterus		Endometrial Stromal Polyp Hyperplasia, Cystic Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****