

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

C Number: C56100

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hyperplasia, Granulocytic
Epididymis		Degeneration, Nos
Intestine Small	Serosa, Ileum	Inflammation, Suppurative
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
Lung		Pneumonia, Aspiration
Lymph node	Mesenteric Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic
		Inflammation, Suppurative
Skin		Keratoacanthoma
Stomach	Mucosa	Fibrosis, Diffuse
Testis		Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Lung		Pneumonia, Aspiration
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Fibrosis, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Hyperplasia, Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Atrophy, Focal
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal Necrosis, Nos
Lung		Congestion, Acute
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas	Islets	Islet-Cell Adenoma
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Spleen	Red Pulp	Congestion, Acute
Testis		Interstitial-Cell Tumor
Thymus		Hemorrhage
Thyroid		Follicular-Cell Adenoma
Trachea		Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Nos
Lymph node	Mediastinal Lymph Node	Depletion, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

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Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Ear

Canal

Lymphocytic Inflammatory Infiltrate

Heart

Myocardium Nos

Inflammation, Granulomatous Focal

Liver

Cytoplasmic Change, Basophilic

Lung

Pneumonia, Aspiration

Prostate

Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Erythroid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Spleen	Red Pulp	Hematopoiesis
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:44
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Erythroid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Centrilobular	Degeneration, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Hyperkeratosis
		Inflammation, Chronic Focal
Skin		Inflammation, Chronic Focal
		Keratoacanthoma
Spleen	Red Pulp	Hematopoiesis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Congestion, Acute Pneumonia, Aspiration
Lymph node	Mandibular Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Spleen		Depletion, Lymphoid

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Cyst, Nos
Prostate		Lymphocytic Inflammatory Infiltrate
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thymus		Hemorrhage

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Congestion, Acute
Liver		Congestion, Nos
Lung		Congestion, Acute
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_012

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hamartoma Pheochromocytoma
Bone marrow		Hyperplasia, Erythroid
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Kidney		Nephrosis, Nos
Nasal cavity	Mucosa Mucosa	Inflammation, Suppurative Lymphocytic Inflammatory Infiltrate
Pancreas		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone marrow		Hyperplasia, Erythroid
Heart		Neurilemoma
Kidney		Nephrosis, Nos
Liver		Necrosis, Nos
Lung	Bronchus	Inflammation, Chronic Focal Pneumonia, Aspiration
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_014

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Liver

Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal

Nasal cavity

Mucosa

Inflammation, Suppurative

Mucosa

Lymphocytic Inflammatory Infiltrate

Pancreas

Islets

Islet-Cell Adenoma

Stomach

Mucosa

Fibrosis

Testis

Atrophy, Focal

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_015

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephrosis, Nos
Liver		Clear-Cell Change
Lymph node	Mandibular Lymph Node	Plasmacytosis
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_016

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Small
Liver
Lung
Lymph node
Nasal cavity
Stomach
Thymus

Cortex Nos
Mesentery Nos

Mandibular Lymph Node
Mucosa
Mucosa

Hematopoiesis
Necrosis, Fat
Inflammation, Granulomatous Focal
Pneumonia, Aspiration
Hyperplasia, Lymphoid
Inflammation, Suppurative
Fibrosis
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
	Endocard/Left Atrium	Fibrosis
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
		Inflammation, Granulomatous Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Skin	Back	Keratoacanthoma
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Erythroid
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephrosis, Nos
Liver		Clear-Cell Change
		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas	Islets	Hyperplasia, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_020

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hematopoiesis
Bone marrow		Hyperplasia, Granulocytic
Kidney		Nephrosis, Nos
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Suppurative
		Retention Of Content
Prostate		Inflammation, Chronic Focal
Spleen		Depletion, Lymphoid
Stomach	Forestomach	Acanthosis
Testis		Atrophy, Focal
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow

Hyperplasia, Erythroid

Ear

Canal

Hyperplasia, Granulocytic

Heart

Myocardium Nos

Lymphocytic Inflammatory Infiltrate

Kidney

Degeneration, Nos

Liver

Nephrosis, Nos

Lung

Congestion, Nos

Congestion, Acute

Pneumonia, Aspiration

Nasal cavity

Mucosa

Inflammation, Suppurative

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Preputial gland

Inflammation, Chronic

Stomach

Mucosa

Fibrosis, Focal

Testis

Atrophy, Diffuse

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
Bone marrow		Hyperplasia, Erythroid
Epididymis		Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Hyperplasia, Lymphoid
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Retention Of Content
Stomach	Mucosa	Fibrosis, Focal
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:44
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Brain	Stem	Hemorrhage
Epididymis		Inflammation, Suppurative
Kidney		Inflammation, Suppurative
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Spleen		Depletion, Lymphoid
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thymus		Hemorrhage
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Acute
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Inflammation, Granulomatous Focal
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lung		Congestion, Acute
		Pneumonia, Aspiration
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hematopoiesis Hyperplasia, Focal
Bone marrow		Hyperplasia, Granulocytic
Kidney		Nephrosis, Nos
Liver		Congestion, Nos Cytoplasmic Change, Basophilic
Lung	Bronchus	Metaplasia, Squamous
Nasal cavity	Mucosa Mucosa	Inflammation, Suppurative Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Congestion, Nos
Preputial gland		Inflammation, Chronic Focal
Spleen	Red Pulp	Congestion, Acute
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_027

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Granulocytic
Kidney		Nephrosis, Nos
Lung		Lymphocytic Inflammatory Infiltrate
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_028

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Dosing Accident

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Congestion, Acute
Liver		Congestion, Nos
		Cytoplasmic Change, Basophilic
Lung		Inflammation, Interstitial
		Pneumonia, Aspiration
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Lung		Inflammation, Chronic Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Seminal vesicle		Distention
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Blood	Blood Erythrocytes	Normoblastosis
	Blood Erythrocytes	Reticulocytosis
Bone marrow		Hyperplasia, Erythroid
Brain	Stem	Oligodendroglioma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
	Tubule	Pigmentation, Nos
Liver		Hematopoiesis
	Bile Duct	Hyperplasia, Focal
		Necrosis, Nos
Lymph node	Mediastinal Lymph Node	Hemosiderosis
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
	Mucosa	Metaplasia, Squamous
Peritoneum		Mesothelioma, Nos
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_031

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
		Necrosis, Nos
Mammary gland	Mammary Duct	Distention
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow

Heart

Preputial gland

Stomach

Testis

Unspecified

Myocardium Nos

Mucosa

Head

Hyperplasia, Erythroid

Degeneration, Nos

Inflammation, Chronic Focal

Fibrosis

Interstitial-Cell Tumor

Neurilemoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mandibular Lymph Node	Plasmacytosis
Mammary gland	Mammary Duct	Distention
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Carcinoma, Nos
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Prostate

Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lung		Inflammation, Interstitial
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Suppurative
Prostate		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Congestion, Acute
Kidney		Congestion, Acute
Lung		Congestion, Acute
Lymph node	Mediastinal Lymph Node	Hemorrhage
Testis		Interstitial-Cell Tumor
Trachea		Inflammation, Acute
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:44
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_037

TRT#: 1
DOSE: 001.0 G/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood	Blood Erythrocytes	Reticulocytosis
Bone marrow		Hyperplasia, Erythroid
		Hyperplasia, Granulocytic
Kidney		Nephrosis, Hydro
		Nephrosis, Nos
Liver		Congestion, Nos
	Periportal	Lymphocytic Inflammatory Infiltrate
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Cyst, Nos
		Lymphocytic Inflammatory Infiltrate
Prostate		Inflammation, Chronic Focal
Spleen	Red Pulp	Hematopoiesis
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Alveoli	Edema, Nos Pneumonia, Aspiration
Lymph node	Mediastinal Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Nasal cavity

Mucosa

Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Congestion, Nos
Lung		Congestion, Acute
		Pneumonia, Aspiration
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Oral mucosa	Palate Nos	Cyst, Epidermal Inclusion
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
	Mucosa	Hemorrhage
	Mucosa	Necrosis, Focal
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		C-Cell Adenoma
		Hyperplasia, Follicular Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Lung	Alveoli	Edema, Nos Pneumonia, Aspiration
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Hyperplasia, Interstitial Cell
Trachea		Inflammation, Acute Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Lung		Congestion, Acute
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Epididymis		Cytoplasmic Vacuolization
Kidney		Nephrosis, Nos
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
	Mucosa	Metaplasia, Squamous
Preputial gland		Inflammation, Chronic Focal
Salivary gland		Cyst, Nos
Seminal vesicle		Atrophy, Nos
Skin		Keratoacanthoma
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Centrilobular	Degeneration, Nos
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Stomach	Mucosa	Fibrosis
Testis		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Unspecified	Tail	Fracture, Healed

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone marrow		Hyperplasia, Granulocytic
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_046

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Congestion, Nos
		Cytoplasmic Change, Basophilic
Lung		Congestion, Acute
		Pneumonia, Aspiration
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_048

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified	Head	Neurilemoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Erythroid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lung	Alveoli	Edema, Nos
		Lymphocytic Inflammatory Infiltrate
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_050

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 001.0 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Congestion, Nos
	Cecum, Colon	Hemorrhage
Intestine Small	Ileum	Congestion, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Nasal cavity	Mucosa	Inflammation, Suppurative
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Nos
Testis	Spermatid	Dysplasia, Nos Interstitial-Cell Tumor
Unspecified		Fibroma Liposarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Spleen	Red Pulp	Hematopoiesis
Stomach	Forestomach	Acanthosis
Testis		Interstitial-Cell Tumor
Unspecified	Neck	Myxosarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Pancreas		Atrophy, Focal
Salivary gland		Fibrosarcoma, Invasive
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_004

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Epididymis		Cytoplasmic Vacuolization
Intestine Large	Cecum, Colon	Leiomyoma
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Necrosis, Nos
Lymph node	Mediastinal Lymph Node	Histiocytosis
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Carcinoma, Nos
Skin		Acanthosis
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_005

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Pneumonia, Aspiration
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Oral mucosa		Hyperkeratosis
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Forestomach	Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Neck	Inflammation, Acute Suppurative
Zymbal gland		Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_006

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Astrocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Liver		Focal Cellular Change
Nasal cavity	Mucosa	Inflammation, Suppurative
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hematopoiesis
	Medulla	Pheochromocytoma
Blood	Blood Erythrocytes	Normoblastosis
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Salivary gland		Neurilemoma
Spleen	Red Pulp	Hematopoiesis
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
	Forestomach	Inflammation, Chronic Suppurative
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach		Granulation Tissue
	Mucosa	Ulcer, Nos
Testis		Hyperplasia, Interstitial Cell
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_009

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Congestion, Acute
Liver		Inflammation, Chronic Focal
Lung		Congestion, Acute
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Testis		Interstitial-Cell Tumor
Thymus		Hemorrhage

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Nos
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Carcinoma, Nos
Salivary gland		Atrophy, Focal
		Fibrosis
Skin		Cyst, Epidermal Inclusion
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_011

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Stem	Hemorrhage
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Abscess, Nos
Stomach	Forestomach	Acanthosis
	Forestomach	Ulcer, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Inflammation, Suppurative
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen	Red Pulp	Atrophy, Nos
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thymus		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_014

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Cytoplasmic Vacuolization
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Spleen	Red Pulp	Leukemia, Mononuclear Cell
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung	Bronchus	Inflammation, Acute Suppurative
Lymph node	Mandibular Lymph Node	Cyst, Nos
	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Salivary gland		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_016

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Medulla

Hyperplasia, Focal
Nephrosis, Nos
Cytoplasmic Change, Basophilic

Bile Duct

Hyperplasia, Focal
Inflammation, Chronic Focal

Pituitary gland
Preputial gland

Anterior Pituitary

Hyperplasia, Focal
Inflammation, Chronic

Stomach
Testis

Mucosa

Fibrosis
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_017

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Blood	Blood Erythrocytes	Erythroblastosis
Bone marrow		Hyperplasia, Erythroid
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Focal
Spleen	Red Pulp	Hematopoiesis
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Head	Neurilemoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Salivary gland		Regeneration, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Fibrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Blood

Cortex Nos
Blood Erythrocytes
Blood Erythrocytes

Hematopoiesis
Erythroblastosis
Reticulocytosis
Hyperplasia, Granulocytic
Sarcoma, Nos, Uncertain Primary Or Meta
Nephrosis, Nos
Cytoplasmic Change, Basophilic
Sarcoma, Nos, Uncertain Primary Or Meta

Bone marrow
Intestine Small
Kidney
Liver

Mesentery Nos

Lymph node
Nasal cavity
Pituitary gland
Preputial gland
Seminal vesicle
Spleen
Stomach
Testis

Mediastinal Lymph Node
Mucosa
Anterior Pituitary

Hemosiderosis
Lymphocytic Inflammatory Infiltrate
Hyperplasia, Focal
Inflammation, Chronic Focal
Atrophy, Nos
Hematopoiesis
Fibrosis
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Lung		Inflammation, Chronic Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen	Red Pulp	Hematopoiesis
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma
		Inflammation, Granulomatous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Granulocytic
Brain		Granular-Cell Tumor, Benign
Intestine Large	Colon	Distention
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Eosinophilic
	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Forestomach	Hyperkeratosis
	Forestomach	Inflammation, Chronic
	Forestomach	Ulcer, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Blood	Blood Erythrocytes	Erythroblastosis
Bone marrow		Hyperplasia, Granulocytic
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Mammary gland		Fibroadenoma
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_024

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hematopoiesis

Blood

Blood Erythrocytes

Erythroblastosis

Blood Erythrocytes

Reticulocytosis

Bone marrow

Hyperplasia, Erythroid

Intestine Small

Mesentery Nos

Necrosis, Fat

Liver

Cytoplasmic Change, Basophilic

Lymph node

Mediastinal Lymph Node

Hyperplasia, Lymphoid

Prostate

Inflammation, Chronic Focal

Spleen

Red Pulp

Hematopoiesis

Stomach

Forestomach

Acanthosis

Testis

Forestomach

Hyperkeratosis

Unspecified

Neck

Interstitial-Cell Tumor

Granulation Tissue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Thrombosis, Nos
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Interstitial
		Pneumonia, Aspiration
Lymph node	Mesenteric Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Inflammation, Suppurative
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Stomach

Mucosa

Forestomach

Congestion, Acute

Fibrosis

Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Cytoplasmic Vacuolization
Heart	Atrium	Thrombosis, Nos
Kidney		Nephrosis, Nos
Liver	Centrilobular	Degeneration, Nos
		Focal Cellular Change
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Necrosis, Nos
Lung		Inflammation, Interstitial
		Pneumonia, Aspiration
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Nos
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood	Blood Erythrocytes	Erythroblastosis
Bone marrow		Hyperplasia, Erythroid
Liver		Cytoplasmic Change, Basophilic
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
		Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:44
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_030

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
Lung		Inflammation, Granulomatous Focal
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Necrosis, Nos
Lung		Inflammation, Interstitial
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Necrosis, Nos
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Focal
Skin		Keratoacanthoma
Spleen		Depletion, Lymphoid
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:44
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_032

TRT#: 2
DOSE: 000.5 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Adenoma
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		Periarteritis
Unspecified		Inflammation, Chronic Suppurative

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_033

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Suppurative
Spleen	Red Pulp	Hematopoiesis
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_034

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver		Inflammation, Suppurative
Lung		Inflammation, Interstitial
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified	Neck	Neurilemoma, Malignant
	Multiple Organs Nos	Neurilemoma, Metastatic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Prostate		Inflammation, Suppurative
Salivary gland		Atrophy, Focal
Unspecified	Mediastinum Nos	Hemorrhage
	Neck	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Nephrosis, Nos

Lung

Chordoma, Metastatic

Prostate

Inflammation, Chronic Focal

Stomach

Mucosa

Fibrosis

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_037

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Lymphocytic Inflammatory Infiltrate
Epididymis		Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Lung		Pneumonia, Aspiration
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Ear	Canal	Lymphocytic Inflammatory Infiltrate
Kidney		Inflammation, Suppurative
		Nephrosis, Nos
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_039

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Cyst, Nos
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Hyperplasia, Interstitial Cell
Thyroid		Inflammation, Chronic
Unspecified	Neck	Inflammation, Chronic
	Abdomen	Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Epididymis		Cytoplasmic Vacuolization
Kidney		Nephrosis, Nos
Liver		Hepatocellular Carcinoma
Lymph node	Mandibular Lymph Node	Cyst, Nos
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
	Forestomach	Hyperkeratosis
	Forestomach	Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Nephrosis, Nos Pigmentation, Nos
Lung		Pneumonia, Aspiration
Nasal cavity	Mucosa	Inflammation, Suppurative
Pancreas		Atrophy, Nos Hemosiderosis
Peritoneum		Mesothelioma, Nos
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
	Forestomach	Hyperkeratosis
	Forestomach	Inflammation, Suppurative
Testis		Atrophy, Nos Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:44
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_043

TRT#: 2
DOSE: 000.5 G/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood	Blood Erythrocytes	Normoblastosis
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Tubule	Pigmentation, Nos
Liver	Centrilobular	Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Nasal cavity	Mucosa	Inflammation, Suppurative
Stomach	Mucosa	Fibrosis
Testis	Spermatid	Dysplasia, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Hemorrhage
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:44
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_045

TRT#: 2
DOSE: 000.5 G/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lung		Pheochromocytoma, Metastatic
		Pneumonia, Aspiration
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Prostate		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
	Forestomach	Hyperkeratosis
	Forestomach	Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:44

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hematopoiesis
Bone marrow		Hyperplasia, Erythroid
Eye		Hemorrhage
		Inflammation, Chronic
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis	Spermatid	Dysplasia, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_047

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Mammary gland		Adenocarcinoma, Nos
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Preputial gland		Inflammation, Suppurative
Prostate		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
Testis	Spermatid	Dysplasia, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:45
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_048

TRT#: 2
DOSE: 000.5 G/KG

SEX: Male
DISP: Dosing Accident

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Granulomatous Focal
Lung		Necrosis, Focal
		Pneumonia, Aspiration
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Unspecified	Neck	Inflammation, Suppurative

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Kidney	Tubule	Dilatation, Nos
		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 000.5 G/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Kidney

Nephrosis, Nos

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Focal

Nasal cavity

Mucosa

Lymphocytic Inflammatory Infiltrate

Preputial gland

Inflammation, Chronic Focal

Spleen

Red Pulp

Hematopoiesis

Stomach

Mucosa

Fibrosis

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_001

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Blood	Blood Erythrocytes	Reticulocytosis
Bone marrow		Hyperplasia, Erythroid
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Spleen	Red Pulp	Hematopoiesis
Stomach	Mucosa	Fibrosis
Testis	Spermatid	Dysplasia, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_002

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Epididymis		Cytoplasmic Vacuolization
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hemorrhage
Preputial gland		Inflammation, Chronic Focal
Spleen	Red Pulp	Congestion, Nos
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified	Head	Neurilemoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_003

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hematopoiesis Hyperplasia, Focal
Bone marrow		Hyperplasia, Erythroid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
	Periportal	Lymphocytic Inflammatory Infiltrate
Lung	Alveoli	Histiocytosis
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Skin	Foot And Toe Nos	Papilloma, Nos
Testis		Atrophy, Focal Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_004

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Epididymis		Cytoplasmic Vacuolization
Eye		Phthisis Bulbi
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Hematopoiesis
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Salivary gland		Lymphocytic Inflammatory Infiltrate
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Thyroid		Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_005

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Erythroid
Epididymis		Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Salivary gland		Atrophy, Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_006

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Lower Extremity	Osteosarcoma
Bone marrow		Osteosarcoma, Invasive
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Infarct, Nos
		Osteosarcoma, Metastatic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Salivary gland		Atrophy, Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor
Unspecified	Head	Neurilemoma
Urinary bladder		Distention

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_007

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Epididymis		Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Nephrosis, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_008

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow

Cortex Nos

Hematopoiesis
Hyperplasia, Erythroid
Hyperplasia, Granulocytic
Congestion, Nos
Cytoplasmic Vacuolization

Brain
Epididymis

Myocardium Nos

Degeneration, Nos
Nephrosis, Nos

Heart
Kidney

Liver

Centrilobular

Angiectasis

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Nasal cavity

Mucosa

Lymphocytic Inflammatory Infiltrate

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Salivary gland

Degeneration, Nos

Spleen

Depletion, Lymphoid

Stomach

Mucosa

Fibrosis

Testis

Atrophy, Focal

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_009

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Epididymis		Cytoplasmic Vacuolization
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_010

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Cytoplasmic Vacuolization Hematopoiesis Hyperplasia, Focal
Bone marrow		Hyperplasia, Erythroid
Epididymis		Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Nasal cavity	Bile Duct	Hyperplasia, Focal
Preputial gland	Mucosa	Lymphocytic Inflammatory Infiltrate
Prostate		Inflammation, Chronic
Spleen	Red Pulp	Inflammation, Chronic Focal
Stomach	Mucosa	Congestion, Nos
Testis		Fibrosis
Unspecified	Tail	Atrophy, Diffuse
	Multiple Organs Nos	Interstitial-Cell Tumor
		Fibrosarcoma
		Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_011

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Erythroid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic Focal
Lymph node	Mediastinal Lymph Node	Histiocytosis
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Chronic
Spleen	Red Pulp	Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Head	Neurilemoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_012

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Hypertrophy, Focal
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Salivary gland		Atrophy, Focal
Spleen	Red Pulp	Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_013

TRT#: 3

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Erythroid
		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Congestion, Nos
		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
		Hemorrhage
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Plasmacytosis
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Focal
		Retention Of Content
Spleen	Red Pulp	Congestion, Acute
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:45
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_014

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Cytoplasmic Vacuolization Hyperplasia, Focal
Harderian gland	Hardarian Gland	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Hyperplasia, Focal
Stomach	Mucosa	Fibrosis
Testis		Inflammation, Granulomatous Focal Interstitial-Cell Tumor
Thyroid		Lymphocytic Inflammatory Infiltrate
Unspecified	Head	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_015

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Nephrosis, Nos
Liver		Clear-Cell Change
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Focal
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_016

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung	Alveoli	Histiocytosis
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_017

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Bone marrow		Hyperplasia, Erythroid
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung	Alveoli	Histiocytosis
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Atrophy, Focal
Prostate		Inflammation, Chronic
Salivary gland		Atrophy, Focal
Seminal vesicle		Atrophy, Diffuse
Skin	Thorax	Papilloma, Nos
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:45
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_018

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Pheochromocytoma
Epididymis		Cytoplasmic Vacuolization
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver	Hepatocytes Bile Duct	Cytoplasmic Vacuolization Hyperplasia, Focal
Lung		Congestion, Acute Inflammation, Chronic Focal
Lymph node	Mediastinal Lymph Node Mandibular Lymph Node	Hemorrhage Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_019

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hematopoiesis
	Cortex Nos	Hyperplasia, Focal
Blood	Blood Erythrocytes	Normoblastosis
	Blood Erythrocytes	Reticulocytosis
Bone marrow		Hyperplasia, Granulocytic
Lung	Alveoli	Histiocytosis
Pancreas		Atrophy, Focal
Preputial gland		Adenoma, Nos
		Inflammation, Chronic Focal
Seminal vesicle		Atrophy, Diffuse
Spleen		Depletion, Lymphoid
	Red Pulp	Hematopoiesis
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_020

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis	Spermatid	Dysplasia, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_021

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Focal
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_022

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hematopoiesis
Blood	Blood Erythrocytes	Normoblastosis
Bone marrow		Hyperplasia, Erythroid
		Hyperplasia, Granulocytic
Kidney		Nephrosis, Nos
Liver		Necrosis, Nos
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Preputial gland		Inflammation, Chronic Focal
Skin	Axilla	Keratoacanthoma
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified	Flank	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_023

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Hyperplasia, Focal
Nephrosis, Nos
Cytoplasmic Change, Basophilic

Nasal cavity
Pancreas
Preputial gland

Bile Duct

Mucosa

Hyperplasia, Focal
Lymphocytic Inflammatory Infiltrate

Stomach
Testis

Mucosa

Atrophy, Focal
Inflammation, Chronic

Thyroid

Fibrosis
Atrophy, Nos
Interstitial-Cell Tumor
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_024

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Kidney		Nephrosis, Nos
Liver		Clear-Cell Change
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Lung		Pneumonia, Aspiration
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Cyst, Nos
	Anterior Pituitary	Hemorrhage
Salivary gland		Inflammation, Chronic Focal
		Nuclear-Size Alteration
Spleen	Red Pulp	Hematopoiesis
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_025

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
		Cytoplasmic Change, Eosinophilic
	Hepatocytes	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Periarteritis
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Suppurative
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_026

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lymph node	Bronchial Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland	Mammary Duct	Distention
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Preputial gland		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Flank	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_027

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood	Blood Erythrocytes	Normoblastosis
	Blood Erythrocytes	Reticulocytosis
Bone marrow		Hyperplasia, Erythroid
		Hyperplasia, Granulocytic
Harderian gland	Harderian Gland	Inflammation, Chronic Focal
Heart	Myocardium Nos	Degeneration, Nos
Intestine Large	Colon	Parasitism
Kidney		Nephrosis, Nos
	Tubule	Pigmentation, Nos
Liver		Angiectasis
	Hepatocytes	Cytoplasmic Vacuolization
		Hematopoiesis
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Plasmacytosis
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Prostate		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_028

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos Medulla	Cytoplasmic Vacuolization Hematopoiesis Hyperplasia, Focal
Blood	Blood Erythrocytes	Normoblastosis
Bone marrow		Fibrosis, Myelo Necrosis, Focal
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Kidney		Nephrosis, Nos
Liver		Necrosis, Nos
Lymph node	Pancreatic Lymph Node Mandibular Lymph Node	Hematopoiesis Plasmacytosis
Mammary gland	Mammary Duct	Distention
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Spleen	Red Pulp	Hematopoiesis
Stomach	Forestomach Mucosa Forestomach Mucosa	Acanthosis Fibrosis Hyperkeratosis Necrosis, Focal
Testis	Spermatid	Atrophy, Diffuse Dysplasia, Nos Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_029

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Cyst, Multiple
		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Inflammation, Interstitial
Pancreas		Adenoma, Nos
		Atrophy, Focal
Preputial gland		Inflammation, Chronic Focal
Skin	Neck	Papilloma, Nos
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Urinary bladder		Distention

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_030

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Erythroid
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Vacuolization
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Nos
		Interstitial-Cell Tumor
Unspecified	Anterior Mediastinum	Alveolar/Bronchiolar Carcinoma, Invasive
	Neck	Granuloma, Nos
	Multiple Organs Nos	Hyperplasia, Focal
	Anterior Mediastinum	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:45
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_031

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
Lymph node	Mesenteric Lymph Node	Depletion, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Hyperplasia, Focal
Spleen	Red Pulp	Leukemia, Mononuclear Cell
Stomach	Glandular Stomach	Dilatation, Nos
Testis		Atrophy, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_032

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Cytoplasmic Vacuolization
	Medulla	Hyperplasia, Focal
Blood	Blood Erythrocytes	Normoblastosis
Bone marrow		Hyperplasia, Granulocytic
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
		Necrosis, Nos
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Prostate		Inflammation, Chronic Focal
Seminal vesicle		Atrophy, Diffuse
Spleen		Depletion, Lymphoid
		Infarct, Nos
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_033

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Lymphocytic Inflammatory Infiltrate
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Adenoma, Nos
Preputial gland		Inflammation, Chronic Diffuse
Stomach	Mucosa	Fibrosis, Focal
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_034

TRT#: 3

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Epididymis		Cytoplasmic Vacuolization
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
Pancreas		Atrophy, Focal
Stomach		Leiomyosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_035

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Granulocytic
Heart	Myocardium Nos	Degeneration, Nos
Liver		Mineralization
		Necrosis, Nos
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach	Mucosa	Fibrosis
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_036

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Pheochromocytoma
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Kidney		Nephrosis, Nos
Liver		Angiectasis
	Bile Duct	Hyperplasia, Focal
Lung		Lymphocytic Inflammatory Infiltrate
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Diffuse
Preputial gland		Retention Of Content
Stomach	Mucosa	Fibrosis, Focal
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor
Urinary bladder	Submucosa	Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_037

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic Hyperplasia, Focal
	Bile Duct	Lymphocytic Inflammatory Infiltrate
Nasal cavity	Mucosa	Atrophy, Focal
Pancreas		Inflammation, Chronic Focal
Preputial gland		Inflammation, Chronic Focal
Prostate		Atrophy, Focal
Salivary gland		Fibrosis
Stomach	Mucosa	Interstitial-Cell Tumor
Testis		Hyperplasia, C Cell
Thyroid		Necrosis, Fat
Unspecified		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_038

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos Neurilemoma
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
Lung		Chordoma, Metastatic
Lymph node	Mediastinal Lymph Node	Histiocytosis
	Mandibular Lymph Node	Plasmacytosis
Mammary gland	Mammary Duct	Distention
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Prostate		Inflammation, Acute Suppurative
Seminal vesicle		Distention
Skin	Back	Keratoacanthoma
	Lip Nos	Keratoacanthoma
Spleen	Red Pulp	Hemosiderosis
Stomach	Mucosa	Fibrosis, Diffuse
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_039

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_040

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Blood	Blood Erythrocytes	Normoblastosis
	Blood Erythrocytes	Reticulocytosis
Bone marrow		Hyperplasia, Erythroid
		Hyperplasia, Granulocytic
Kidney		Nephrosis, Nos
Liver	Centrilobular	Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Mucosa	Fibrosis, Focal
Testis		Atrophy, Diffuse
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell
	Flank	Lipoma
	Neck	Neurilemoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_041

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma, Malignant
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
Lung	Alveoli	Histiocytosis
		Lymphocytic Inflammatory Infiltrate
		Pheochromocytoma, Metastatic
Lymph node	Mandibular Lymph Node	Hemorrhage
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic
Prostate		Lymphocytic Inflammatory Infiltrate
Testis		Atrophy, Focal
	Spermatid	Dysplasia, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_042

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Intestine Small

Peyers Patch

Hyperplasia, Lymphoid

Kidney

Nephrosis, Nos

Liver

Cytoplasmic Change, Basophilic

Nasal cavity

Bile Duct

Hyperplasia, Focal

Mucosa

Inflammation, Suppurative

Mucosa

Lymphocytic Inflammatory Infiltrate

Pancreas

Atrophy, Focal

Pituitary gland

Anterior Pituitary

Hyperplasia, Focal

Preputial gland

Inflammation, Chronic

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_043

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Bone marrow

Cortex Nos

Cytoplasmic Vacuolization
Hyperplasia, Erythroid
Hyperplasia, Granulocytic

Kidney

Nephrosis, Nos

Liver

Necrosis, Nos

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Preputial gland

Inflammation, Chronic

Prostate

Retention Of Content

Stomach

Inflammation, Chronic

Testis

Mucosa

Fibrosis

Unspecified

Multiple Organs Nos

Atrophy, Focal

Interstitial-Cell Tumor

Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_044

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Lung		Foreign Body, Nos
		Lymphocytic Inflammatory Infiltrate
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Mucosa	Fibrosis, Focal
Testis		Atrophy, Focal
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_045

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Stem	Hemorrhage
Heart	Myocardium Nos	Degeneration, Nos
Liver		Necrosis, Nos
Lung		Pneumonia, Aspiration
Nasal cavity	Mucosa	Inflammation, Suppurative
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100
Test Type: Long-Term
Route: Gavage
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Penicillin VK
CAS Number: 132-98-9

Date Report Requested: 10/26/2014
Time Report Requested: 12:55:45
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_046

TRT#: 3
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Degeneration, Nos
Kidney		Nephrosis, Nos
Liver	Bile Duct	Hyperplasia, Focal
	Periportal	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
		Regeneration, Nos
Lung		Lymphocytic Inflammatory Infiltrate
Lymph node	Mesenteric Lymph Node	Hemosiderosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Diffuse
Spleen	Red Pulp	Congestion, Nos
Stomach	Mucosa	Fibrosis, Focal
Testis		Atrophy, Focal
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_047

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Erythroid
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Epididymis		Cytoplasmic Vacuolization
Intestine Large	Rectum	Distention
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lung		Congestion, Acute
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Cyst, Nos
Preputial gland		Inflammation, Chronic Focal
Stomach	Forestomach	Acanthosis
	Mucosa	Fibrosis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_048

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Lung		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_049

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Epididymis		Degeneration, Nos
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Ileum	Leiomyosarcoma
Kidney		Nephrosis, Nos
Liver		Focal Cellular Change
Lung		Lymphocytic Inflammatory Infiltrate
Pancreas	Islets	Islet-Cell Adenoma
Preputial gland		Inflammation, Chronic Focal
Salivary gland		Fibrosis, Focal
Testis		Atrophy, Diffuse
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell Leukemia, Mononuclear Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C56100

Test Type: Long-Term

Route: Gavage

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Penicillin VK

CAS Number: 132-98-9

Date Report Requested: 10/26/2014

Time Report Requested: 12:55:45

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 3_050

TRT#: 3

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hematopoiesis
Ear	Canal	Lymphocytic Inflammatory Infiltrate
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Nephrosis, Nos
Liver		Cytoplasmic Change, Basophilic
	Bile Duct	Hyperplasia, Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Nasal cavity	Mucosa	Inflammation, Suppurative
	Mucosa	Lymphocytic Inflammatory Infiltrate
Pancreas		Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen	Red Pulp	Leukemia, Mononuclear Cell
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE