

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**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:** Female

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_001

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Bone marrow  
Liver

Capsule

Hyperplasia, Nos  
Hyperplasia, Hematopoietic  
Hepatocellular Adenoma  
Hepatocellular Carcinoma

Lung  
Lymph node  
Spleen  
Stomach

Hemorrhage  
Hyperplasia, Lymphoid  
Hyperplasia, Hematopoietic  
Hyperplasia, Epithelial  
Inflammation, Chronic Focal

Glandular Stomach  
Glandular Stomach

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_002

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Mesentery Nos	Necrosis, Fat
Skin	Abdomen	Hyperplasia, Epithelial
	Abdomen	Inflammation, Chronic Focal
	Abdomen	Pigmentation, Nos
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_003

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Stomach	Glandular Stomach	Cyst, Nos
	Glandular Stomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_004

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Brain	Thalamus	Mineralization
Liver		Hematopoiesis
		Necrosis, Focal
Lung		Lymphocytic Inflammatory Infiltrate
Mammary gland		Squamous Cell Carcinoma
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Spleen		Hyperplasia, Hematopoietic
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_005

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Dosing Accident

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Liver		Necrosis, Focal
Lung		Congestion, Acute Passive
Stomach	Forestomach	Hyperplasia, Epithelial
	Glandular Stomach	Hyperplasia, Epithelial

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_006

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Hepatocellular Adenoma
		Inflammation, Chronic Focal
Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Nos
		Inflammation, Chronic Focal
Salivary gland		Hyperplasia, Lymphoid
Spleen		Hyperplasia, Lymphoid
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_007

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Pancreas		Dilatation, Ducts
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_008

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Mineralization
Liver		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_009

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Mineralization
Heart	Myocardium Nos	Inflammation, Chronic Focal
Ovary		Abscess, Nos
Spleen		Hyperplasia, Hematopoietic
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Inflammation, Acute/Chronic
Uterus		Abscess, Nos

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_010

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Lung		Hemorrhage
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
	Multiple Organs Nos	Inflammation, Chronic Focal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_011

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Brain	Thalamus	Mineralization
Spleen		Lymphoma, Nos-Malignant
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_012

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain  
Pituitary gland  
Stomach

Thalamus  
Anterior Pituitary  
Glandular Stomach  
Fundal Gland  
Fundal Gland  
Glandular Stomach  
Glandular Stomach  
Glandular Stomach  
Glandular Stomach

Mineralization  
Hyperplasia, Focal  
Cyst, Nos  
Cytoplasmic Change, Eosinophilic  
Dilatation, Nos  
Fibrosis  
Hyperplasia, Epithelial  
Inflammation, Chronic Focal  
Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_013

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Lung

Congestion, Acute Passive

Stomach

Fundal Gland

Foreign Material, Nos

Glandular Stomach

Cytoplasmic Change, Eosinophilic

Inflammation, Chronic Focal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_014

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Lung

Pleura Nos

Inflammation, Acute Focal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_015

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Capsule	Adenoma, Nos
Brain	Thalamus	Mineralization
Ovary		Granulosa-Cell Tumor
Stomach	Glandular Stomach	Adenoma, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_016

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Heart	Myocardium Nos	Degeneration, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_017

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow  
Lung

Hyperplasia, Hematopoietic  
Hemorrhage  
Inflammation, Chronic Focal

Ovary  
Stomach

Cyst, Nos  
Cytoplasmic Change, Eosinophilic

Fundal Gland  
Glandular Stomach  
Multiple Organs Nos

Inflammation, Chronic Focal  
Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_018

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Thymus		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_019

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone  
Intestine Small  
Nasal cavity

Cortex Of Bone  
Mesentery Nos

Fibrosis, Myelo  
Necrosis, Fat  
Foreign Material, Nos  
Inflammation, Acute Focal

Stomach

Glandular Stomach  
Fundal Gland  
Glandular Stomach

Cyst, Nos  
Cytoplasmic Change, Eosinophilic  
Hyperplasia, Epithelial

Uterus

Glandular Stomach  
Endometrium

Inflammation, Chronic Focal  
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_020

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Liver		Focal Cellular Change
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic
Vagina		Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_021

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Harderian gland	Hardarian Gland	Adenoma, Nos
Intestine Small	Submucosa, Jejunum	Amyloidosis
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Thymus		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_022

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Dosing Accident

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Intestine Large	Rectum	Lymphocytic Inflammatory Infiltrate
Liver		Cell-Size Alteration
		Inflammation, Chronic Focal
Lung		Inflammation, Acute/Chronic
Nasal cavity		Inflammation, Acute Focal
Pancreas	Acinus	Cytoplasmic Vacuolization
Skin	Abdomen	Inflammation, Chronic Focal
Stomach	Forestomach	Hyperkeratosis
Thyroid		Inflammation, Multifocal
Trachea	Submucosa	Lymphocytic Inflammatory Infiltrate
Unspecified	Mediastinum Nos	Inflammation, Acute/Chronic
Uterus	Endometrium	Hyperplasia, Cystic
	Parovarian	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_023

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Brain  
Intestine Small  
Stomach

Thalamus  
Submucosa, Ileum  
Glandular Stomach  
Fundal Gland  
Glandular Stomach  
Glandular Stomach

Tooth  
Unspecified  
Uterus

Multiple Organs Nos  
Endometrium  
Cervix Uteri

Mineralization  
Amyloidosis  
Cyst, Nos  
Cytoplasmic Change, Eosinophilic  
Hyperplasia, Epithelial  
Inflammation, Chronic Focal  
Dysplasia, Nos  
Lymphoma, Nos-Malignant  
Hyperplasia, Cystic  
Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_024

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Harderian gland  
Intestine Small  
Liver  
Ovary  
Stomach

Harderian Gland  
Submucosa, Ileum

Glandular Stomach  
Fundal Gland  
Fundal Gland  
Glandular Stomach  
Glandular Stomach  
Glandular Stomach  
Glandular Stomach

Inflammation, Chronic Focal  
Amyloidosis  
Hematopoiesis  
Cyst, Nos  
Cyst, Nos  
Cytoplasmic Change, Eosinophilic  
Dilatation, Nos  
Fibrosis  
Hyperplasia, Epithelial  
Inflammation, Chronic Focal  
Metaplasia, Squamous  
Dysplasia, Nos  
Hyperplasia, Cystic

Tooth  
Uterus

Endometrium

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_025

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Dosing Accident

**HISTO:**

---

**OBSERVATIONS**

Lung  
Stomach

Pleura Nos  
Fundal Gland  
Glandular Stomach  
Glandular Stomach

Inflammation, Acute Focal  
Cytoplasmic Change, Eosinophilic  
Hyperplasia, Epithelial  
Inflammation, Acute Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_026

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Dosing Accident

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Liver		Necrosis, Focal
Lung		Congestion, Acute Passive
Trachea	Submucosa	Inflammation, Chronic Focal
Unspecified	Mediastinum Nos	Hemorrhage
	Multiple Organs Nos	Inflammation, Acute Focal
	Mediastinum Nos	Inflammation, Acute/Chronic
Uterus	Endometrium	Hyperplasia, Cystic
	Parovarian	Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_027

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Salivary gland		Lymphocytic Inflammatory Infiltrate
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_028

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node	Renal Lymph Node	Hyperplasia, Lymphoid
	Thymic Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Plasmacytosis
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Hematopoietic
		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Glandular Stomach	Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Chronic Focal
		Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Focal
	Endometrium	Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_029

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_030

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Kidney		Nephropathy
Liver		Hepatocellular Adenoma
		Inflammation, Chronic Focal
Ovary		Cyst, Parovarian
Spleen		Hyperplasia, Lymphoid
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
	Glandular Stomach	Metaplasia, Squamous
Thymus		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic
	Parovarian	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_031

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Nasal cavity

Foreign Material, Nos

Stomach

Fundal Gland

Inflammation, Acute Focal

Glandular Stomach

Cytoplasmic Change, Eosinophilic

Vagina

Inflammation, Chronic Focal

Inflammation, Chronic Diffuse

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_032

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Liver		Inflammation, Chronic Focal
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Uterus		Endometrial Stromal Polyp
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_033

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Bone marrow  
Stomach  
Unspecified  
Uterus  
Vagina

Fundal Gland  
Multiple Organs Nos  
Endometrium

Hyperplasia, Hematopoietic  
Cytoplasmic Change, Eosinophilic  
Lymphoma, Nos-Malignant  
Hyperplasia, Cystic  
Inflammation, Acute Focal

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_034

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Focal
Liver		Inflammation, Chronic Focal
Lung		Alveolar/Bronchiolar Adenoma
		Lymphocytic Inflammatory Infiltrate
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas	Acinus	Atrophy, Focal
		Cyst, Nos
Salivary gland		Lymphocytic Inflammatory Infiltrate
Skin	Face	Ulcer, Acute
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Thymus		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Urinary bladder		Lymphocytic Inflammatory Infiltrate
Uterus	Endometrium	Hyperplasia, Cystic
	Parovarian	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_035

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Ovary		Cyst, Hemorrhagic
Skin	Back	Inflammation, Active Chronic
	Back	Ulcer, Acute
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_036

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Ovary		Cyst, Nos
		Cyst, Parovarian
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Forestomach	Hyperplasia, Epithelial
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Uterus		Angiectasis
	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_037

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small

Mesentery Nos

Inflammation, Chronic Focal

Mesentery Nos

Necrosis, Fat

Pituitary gland

Anterior Pituitary

Adenoma, Nos

Stomach

Fundal Gland

Cytoplasmic Change, Eosinophilic

Glandular Stomach

Fibrosis

Glandular Stomach

Hyperplasia, Epithelial

Glandular Stomach

Inflammation, Chronic Focal

Thyroid

Hyperplasia, Follicular Cell

Tooth

Dysplasia, Nos

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_038

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver		Alveolar/Bronchiolar Carcinoma, Metastatic
Lung		Alveolar/Bronchiolar Carcinoma
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_039

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Lung		Inflammation, Chronic Focal
Nasal cavity		Hemorrhage
Spleen		Hyperplasia, Lymphoid
Stomach	Pylorus	Adenomatous Polyp, Nos
	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
	Glandular Stomach	Metaplasia, Squamous
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_040

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Dosing Accident

**HISTO:**

---

**OBSERVATIONS**

Lung

Congestion, Acute Passive

Foreign Material, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_041

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Mineralization
Nasal cavity		Inflammation, Acute Focal
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_042

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Submucosa, Ileum	Amyloidosis
Ovary		Cyst, Nos
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Metaplasia, Squamous

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_043

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Intestine Small	Submucosa, Ileum	Amyloidosis
	Mesentery Nos	Necrosis, Fat
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_044

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Gall bladder		Cytoplasmic Change, Eosinophilic
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Thymus		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_045

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Intestine Small  
Stomach

Mucosa, Ileum  
Fundal Gland  
Fundal Gland  
Glandular Stomach  
Glandular Stomach

Tooth  
Uterus

Endometrium

Cortical Adenoma  
Amyloidosis  
Cytoplasmic Change, Eosinophilic  
Dilatation, Nos  
Hyperplasia, Epithelial  
Inflammation, Chronic Focal  
Dysplasia, Nos  
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_046

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 001.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small	Mucosa, Ileum	Amyloidosis
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Inflammation, Chronic Focal
Lymph node	Mesenteric Lymph Node	Amyloidosis
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_047

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Brain	Thalamus	Mineralization
Kidney		Pyelonephritis, Chronic
Liver		Hematopoiesis
Lymph node		Hyperplasia, Lymphoid
Spleen		Leukemoid Reaction
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Unspecified	Axilla	Abscess, Chronic
	Axilla	Foreign Body, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_048

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Liver		Inflammation, Chronic Focal
Nasal cavity	Nasal Gland	Dilatation, Nos
Spleen		Hyperplasia, Lymphoid
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
	Glandular Stomach	Metaplasia, Squamous
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_049

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Mineralization
Gall bladder		Cytoplasmic Change, Eosinophilic
Liver		Hepatocellular Adenoma
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_050

**TRT#:** 1  
**DOSE:** 001.0 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Hepatocytes	Hyperplasia, Focal
Lung		Alveolar/Bronchiolar Adenoma
Ovary		Cyst, Hemorrhagic
		Cyst, Parovarian
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Acute Focal
Thymus		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_001

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Heart	Cardiac Valve	Pigmentation, Nos
Lung		Lymphocytic Inflammatory Infiltrate
Ovary		Cyst, Nos
		Cyst, Parovarian
		Granulosa-Cell Tumor
Pancreas	Acinus	Atrophy, Focal
		Cyst, Nos
Salivary gland		Lymphocytic Inflammatory Infiltrate
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Acute Focal
Thymus		Hyperplasia, Lymphoid
Thyroid		Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Unspecified	Abdominal Cavity	Inflammation, Acute/Chronic
Uterus	Endometrium	Hyperplasia, Cystic
	Endometrium	Inflammation, Acute Focal
	Endometrium	Metaplasia, Squamous

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_002

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Bone marrow  
Lung  
Nasal cavity

Hyperplasia, Hematopoietic  
Inflammation, Acute Focal  
Foreign Material, Nos  
Inflammation, Acute Focal

Tooth  
Unspecified

Multiple Organs Nos

Dysplasia, Nos  
Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_003

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_004

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Nasal cavity		Inflammation, Acute Focal
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Thyroid		Follicular-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_005

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Skin	Face	Hyperkeratosis
	Face	Hyperplasia, Epithelial
Spleen		Hemosiderosis
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Fibrosis
	Forestomach	Hyperplasia, Epithelial
	Glandular Stomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
	Glandular Stomach	Inflammation, Chronic Focal
	Forestomach	Squamous Cell Papilloma
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_006

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Liver		Hepatocellular Adenoma Inflammation, Chronic Focal
Lung		Hemorrhage
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Foreign Material, Nos Inflammation, Acute Focal
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_007

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Liver	Kupffer Cell	Hyperplasia, Diffuse Necrosis, Focal
Lymph node	Mesenteric Lymph Node Mandibular Lymph Node Thymic Lymph Node	Inflammation, Acute Diffuse Inflammation, Acute/Chronic Inflammation, Acute/Chronic
Nasal cavity		Foreign Material, Nos Inflammation, Acute Focal
Ovary		Abscess, Nos
Skeletal muscle	Abdominal Muscle	Inflammation, Acute Focal
Skin	Abdomen	Parasitism
Spleen		Hyperplasia, Hematopoietic
Stomach	Fundal Gland Glandular Stomach	Cytoplasmic Change, Eosinophilic Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Unspecified	Abdominal Cavity	Inflammation, Acute/Chronic
Uterus	Endometrium	Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_008

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Liver		Cytoplasmic Change, Basophilic Hepatocellular Adenoma
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity		Foreign Material, Nos Inflammation, Acute/Chronic
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland Glandular Stomach	Cytoplasmic Change, Eosinophilic Inflammation, Chronic Focal
Thyroid		Hyperplasia, Follicular Cell
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_009

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Thyroid		Follicular-Cell Adenoma
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_010

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Liver		Necrosis, Focal
Lung		Congestion, Acute Passive Edema, Nos
Lymph node	Thymic Lymph Node	Inflammation, Acute/Chronic
Ovary		Abscess, Nos
Unspecified	Mediastinum Nos	Inflammation, Acute Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_011

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Liver		Inflammation, Acute
Lymph node	Bronchial Lymph Node	Hyperplasia, Lymphoid
Nasal cavity		Foreign Material, Nos
Ovary		Abscess, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Leukemoid Reaction
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_012

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small  
Nasal cavity

Mesentery Nos

Necrosis, Fat  
Foreign Material, Nos  
Inflammation, Acute Focal  
Cyst, Nos

Ovary  
Stomach

Fundal Gland  
Fundal Gland  
Glandular Stomach  
Glandular Stomach  
Glandular Stomach

Cytoplasmic Change, Eosinophilic  
Dilatation, Nos  
Hyperplasia, Epithelial  
Inflammation, Chronic Focal  
Metaplasia, Squamous  
Hyperplasia, Follicular Cell  
Dysplasia, Nos  
Lymphoma, Nos-Malignant  
Inflammation, Acute Focal

Thyroid  
Tooth  
Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_013

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Lung		Lymphocytic Inflammatory Infiltrate
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Ovary		Cyst, Nos
Spleen		Hyperplasia, Lymphoid
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Fundal Gland	Dilatation, Nos
	Glandular Stomach	Inflammation, Chronic Focal
Thyroid		Cyst, Follicular Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_014

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Mammary gland		Hyperplasia, Cystic
Ovary		Cyst, Nos
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_015

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Bone  
Nasal cavity

Cortex Of Bone

Ovary  
Unspecified  
Uterus

Multiple Organs Nos  
Endometrium  
Endometrium  
Endometrium

Angiectasis  
Fibrosis, Myelo  
Foreign Material, Nos  
Inflammation, Acute Focal  
Cyst, Nos  
Hyperplasia, Lymphoid  
Hyperplasia, Cystic  
Inflammation, Acute Focal  
Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_016

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Kidney		Pyelonephritis, Acute
Lung		Congestion, Acute Passive
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Foreign Material, Nos
Spleen		Inflammation, Acute Focal
Tooth		Leukemoid Reaction
Unspecified	Multiple Organs Nos	Dysplasia, Nos
Uterus		Inflammation, Acute/Chronic
	Endometrium	Abscess, Nos
		Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_017

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Intestine Small	Mesentery Nos	Necrosis, Fat
Nasal cavity		Inflammation, Acute Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Acute Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_018

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow  
Nasal cavity

Hyperplasia, Hematopoietic  
Foreign Material, Nos  
Inflammation, Acute/Chronic

Ovary  
Stomach

Cyst, Nos  
Cyst, Nos

Glandular Stomach  
Fundal Gland  
Fundal Gland

Cytoplasmic Change, Eosinophilic  
Dilatation, Nos

Glandular Stomach  
Glandular Stomach  
Glandular Stomach

Fibrosis  
Hyperplasia, Epithelial  
Inflammation, Chronic Focal

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Hyperplasia, Lymphoid  
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_019

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Heart		Lymphocytic Inflammatory Infiltrate
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
	Mediastinum Nos	Inflammation, Granulomatous Focal
	Mediastinum Nos	Lymphocytic Inflammatory Infiltrate
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_020

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney	Perirenal Tissue	Cyst, Nos
	Perirenal Tissue	Inflammation, Acute/Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Pancreas		Ectopia
	Peripancreatic Tissue	Necrosis, Fat
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Unspecified	Abdominal Cavity	Inflammation, Acute Focal
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_021

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Liver		Hepatocellular Adenoma
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Skin	Back	Fibrosis, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_022

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_023

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone marrow		Hyperplasia, Hematopoietic
Spleen		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_024

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone marrow  
Liver

Hyperplasia, Hematopoietic  
Hepatocellular Adenoma  
Hepatocellular Carcinoma

Pituitary gland  
Uterus

Anterior Pituitary  
Endometrium

Adenoma, Nos  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_025

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Nasal cavity

Foreign Material, Nos

Stomach

Fundal Gland

Inflammation, Acute Focal

Cytoplasmic Change, Eosinophilic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_026

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung		Inflammation, Chronic Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_027

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Harderian gland	Harderian Gland	Adenoma, Nos
Heart	Myocardium Nos	Degeneration, Nos
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Ovary		Abscess, Nos
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_028

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_029

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Liver		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_030

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Knee Joint Nos	Inflammation, Chronic Focal
Bone marrow		Hyperplasia, Hematopoietic
Harderian gland	Hardarian Gland	Hyperplasia, Focal
Kidney		Inflammation, Acute/Chronic
Liver		Leukemoid Reaction
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Ovary		Abscess, Nos
Spleen		Leukemoid Reaction
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Inflammation, Chronic Focal
Thymus		Hyperplasia, Lymphoid
Thyroid		Hyperplasia, Follicular Cell
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_031

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone	Cortex Of Bone	Fibrosis, Myelo
Liver		Cell-Size Alteration
	Hepatocytes	Cytoplasmic Vacuolization
Nasal cavity		Inflammation, Acute Focal
Spleen		Atrophy, Diffuse
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Trachea		Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_032

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Brain	Thalamus	Mineralization
Ovary		Abscess, Nos
Spleen		Leukemoid Reaction
Unspecified	Multiple Organs Nos	Inflammation, Acute Focal
Uterus	Endometrium	Inflammation, Acute Focal

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_033

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone marrow  
Salivary gland

Hyperplasia, Hematopoietic  
Cyst, Nos

Stomach

Glandular Stomach  
Fundal Gland  
Glandular Stomach  
Glandular Stomach

Inflammation, Acute Focal  
Cyst, Nos  
Cytoplasmic Change, Eosinophilic  
Hyperplasia, Epithelial

Tooth

Inflammation, Chronic Focal  
Dysplasia, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

Uterus

Endometrium

Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_034

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Lung		Lymphocytic Inflammatory Infiltrate
Ovary		Cyst, Nos
Skin	Abdomen	Papilloma, Nos
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Chronic Focal
Thyroid		Cyst, Follicular Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_035

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Glandular Stomach	Inflammation, Acute Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_036

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Lung		Lymphocytic Inflammatory Infiltrate
Lymph node	Mandibular Lymph Node	Plasmacytosis
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Urinary bladder		Lymphocytic Inflammatory Infiltrate
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 2\_037

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Lung		Lymphocytic Inflammatory Infiltrate
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_038

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Liver		Leukemoid Reaction
Mammary gland		Hyperplasia, Cystic
Nasal cavity		Foreign Material, Nos
Ovary		Abscess, Nos
Spleen		Leukemoid Reaction
Tooth	Pulp Of Tooth	Abscess, Nos
Unspecified	Multiple Organs Nos	Inflammation, Acute Focal
Uterus		Abscess, Nos
	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_039

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_040

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Lymph node	Mesenteric Lymph Node	Abscess, Nos
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute/Chronic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_041

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_042

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone marrow		Hyperplasia, Hematopoietic
Lung		Alveolar/Bronchiolar Adenoma
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_043

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Lung		Inflammation, Granulomatous Focal
Lymph node	Thymic Lymph Node	Hemorrhage
	Thymic Lymph Node	Hyperplasia, Lymphoid
Spleen		Leukemoid Reaction
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_044

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Nasal cavity

Mesentery Nos

Necrosis, Fat  
Foreign Material, Nos  
Inflammation, Acute Focal  
Cytoplasmic Change, Eosinophilic  
Hyperplasia, Epithelial  
Dysplasia, Nos  
Hyperplasia, Lymphoid  
Hyperplasia, Cystic

Stomach

Fundal Gland  
Glandular Stomach

Tooth  
Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_045

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Harderian gland

Harderian Gland

Adenoma, Nos

Pancreas

Acinus

Hyperplasia, Focal

Tooth

Dysplasia, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_046

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Pancreas		Ectopia
Stomach	Glandular Stomach	Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Unspecified	Abdominal Cavity	Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_047

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small  
Nasal cavity  
Stomach

Ileum, Ileum  
  
Fundal Gland  
Fundal Gland  
Glandular Stomach

Lymphoma, Nos-Malignant  
Inflammation, Acute Focal  
Cytoplasmic Change, Eosinophilic  
Dilatation, Nos  
Hyperplasia, Epithelial  
Cyst, Follicular Nos  
Hyperplasia, Cystic

Thyroid  
Uterus

Endometrium

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_048

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:**

**DOSE:** 000.5 G/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Blood vessel

Pulmonary Artery Nos

Inflammation, Acute/Chronic

Stomach

Fundal Gland

Cytoplasmic Change, Eosinophilic

Glandular Stomach

Hyperplasia, Epithelial

Uterus

Parovarian

Inflammation, Granulomatous Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_049

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Lung		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Lymphoid
Stomach	Glandular Stomach	Cyst, Nos
	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Acute Focal
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 2\_050

**TRT#:** 2  
**DOSE:** 000.5 G/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Pancreas	Acinus	Atrophy, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
	Glandular Stomach	Hyperplasia, Epithelial
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus		Angiectasis
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_001

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Bone marrow  
Nasal cavity

Hyperplasia, Hematopoietic  
Foreign Material, Nos  
Inflammation, Acute Focal  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_002

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Nasal cavity		Inflammation, Acute/Chronic
Nerve, peripheral	Facial Nerve Nos	Inflammation, Chronic
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate
Uterus	Endometrium	Hyperplasia, Cystic
Vagina		Dysplasia, Nos
		Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_003

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Nasal cavity		Inflammation, Acute/Chronic
Pancreas		Inflammation, Chronic Focal
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Stomach	Fundal Gland	Dilatation, Nos
Tooth		Dysplasia, Nos
Uterus	Endometrial Gland	Hemorrhage
	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_004

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Nasal cavity

Medulla

Amyloidosis  
Foreign Material, Nos  
Inflammation, Acute Focal  
Squamous Cell Papilloma  
Hyperplasia, Lymphoid  
Hyperplasia, Cystic

Stomach  
Unspecified  
Uterus

Forestomach  
Multiple Organs Nos  
Endometrium

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_005

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Mineralization
Lung		Hemorrhage
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute/Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hyperplasia, Hematopoietic
Thyroid		Follicular-Cell Adenoma
		Hyperplasia, Follicular Cell
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_006

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Harderian gland  
Liver

Hardarian Gland

Adenoma, Nos  
Hematopoiesis  
Hepatocellular Carcinoma

Lymph node  
Nasal cavity

Mesenteric Lymph Node

Hyperplasia, Lymphoid  
Foreign Material, Nos  
Inflammation, Acute Focal

Thymus  
Uterus

Endometrium

Hyperplasia, Lymphoid  
Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_007

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small  
Nasal cavity

Mesentery Nos

Necrosis, Fat  
Foreign Material, Nos  
Inflammation, Acute Focal

Pituitary gland  
Salivary gland  
Tooth

Anterior Pituitary

Adenoma, Nos  
Fibrosis, Multifocal  
Dysplasia, Nos

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium  
Cervix Uteri

Lymphoma, Nos-Malignant  
Hyperplasia, Cystic  
Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_008

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Lung		Inflammation, Acute Focal
Lymph node	Mandibular Lymph Node	Inflammation, Acute/Chronic
	Mesenteric Lymph Node	Inflammation, Acute/Chronic
Nasal cavity		Inflammation, Acute Focal
Ovary		Abscess, Nos
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Hematopoietic
Unspecified	Abdominal Cavity	Inflammation, Acute Focal
Uterus	Endometrium	Inflammation, Acute Focal

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_009

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Liver		Inflammation, Chronic Focal
Lung		Hemorrhage
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Spleen		Hyperplasia, Lymphoid
Thymus		Hyperplasia, Lymphoid
Thyroid		Hyperplasia, Follicular Cell
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_010

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Harderian gland	Hardarian Gland	Hyperplasia, Focal
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute/Chronic
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus		Carcinoma, Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_011

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone  
Harderian gland  
Nasal cavity

Cortex Of Bone  
Hardarian Gland

Pituitary gland  
Spleen  
Tooth  
Unspecified  
Uterus

Anterior Pituitary

Multiple Organs Nos

Fibrosis, Myelo  
Adenoma, Nos  
Foreign Material, Nos  
Inflammation, Acute Focal  
Hyperplasia, Focal  
Hyperplasia, Hematopoietic  
Dysplasia, Nos  
Lymphoma, Nos-Malignant  
Adenocarcinoma, Nos  
Angiectasis

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_012

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Kidney		Infarct, Healed
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Ovary		Cyst, Nos
Spleen		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_013

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Intestine Small	Mesentery Nos	Necrosis, Fat
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hyperplasia, Lymphoid
Thymus		Hyperplasia, Lymphoid
Thyroid		Hyperplasia, Follicular Cell
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_014

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Lung		Alveolar/Bronchiolar Carcinoma
		Histiocytosis
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Ovary		Cyst, Parovarian
Thyroid		Hyperplasia, Follicular Cell
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_015

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Mineralization
Liver		Inflammation, Chronic Focal
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
		Inflammation, Acute/Chronic
Ovary		Cyst, Parovarian
Pancreas	Islets	Hyperplasia, Focal
	Islets	Islet-Cell Adenoma
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Hematopoietic
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_016

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland		Hematopoiesis
Bone marrow		Hyperplasia, Hematopoietic
Kidney		Nephropathy
Liver		Hematopoiesis
Lymph node	Mesenteric Lymph Node	Histiocytosis
Mammary gland		Hyperplasia, Cystic
Spleen		Hyperplasia, Hematopoietic
Unspecified	Abdomen	Inflammation, Acute/Chronic
	Abdomen	Necrosis, Fat
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_017

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Nasal cavity

Foreign Material, Nos

Stomach

Fundal Gland

Inflammation, Acute Focal

Tooth

Cytoplasmic Change, Eosinophilic

Unspecified

Multiple Organs Nos

Dysplasia, Nos

Uterus

Endometrium

Lymphoma, Nos-Malignant

Hyperplasia, Cystic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_018

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Brain	Thalamus	Mineralization
Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Hyperplasia, Lymphoid
Lung		Hyperplasia, Lymphoid
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Thyroid		Hyperplasia, Follicular Cell
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_019

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Lung		Alveolar/Bronchiolar Adenoma Hemorrhage
Lymph node	Thymic Lymph Node	Inflammation, Acute/Chronic Histiocytosis
Nasal cavity		Foreign Material, Nos Hemorrhage
Pituitary gland	Anterior Pituitary	Inflammation, Acute Focal Hyperplasia, Focal
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_020

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Mineralization
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_021

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Tooth  
Uterus

Dysplasia, Nos  
Adenoma, Nos  
Hyperplasia, Cystic

Endometrium

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_022

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Brain	Thalamus	Mineralization
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Lymphoid
Stomach	Forestomach	Squamous Cell Papilloma
Thymus		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_023

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Harderian gland  
Lymph node  
Nasal cavity

Hardarian Gland

Hyperplasia, Focal  
Hyperplasia, Lymphoid  
Foreign Material, Nos  
Inflammation, Acute Focal

Spleen  
Stomach  
Tooth  
Uterus

Forestomach

Hyperplasia, Lymphoid  
Squamous Cell Papilloma  
Dysplasia, Nos  
Hyperplasia, Cystic

Endometrium

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_024

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Brain  
Kidney  
Nasal cavity

Thalamus

Mineralization  
Amyloidosis  
Foreign Material, Nos  
Inflammation, Acute Focal  
Hyperplasia, Cystic

Uterus

Endometrium

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_025

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Mesentery Nos	Necrosis, Fat
Lymph node	Mesenteric Lymph Node	Histiocytosis
Pituitary gland	Anterior Pituitary	Angiectasis
Stomach	Forestomach	Squamous Cell Papilloma
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_026

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow  
Liver  
Nasal cavity

Thyroid  
Unspecified  
Uterus

Multiple Organs Nos  
Endometrial Gland  
Endometrium

Hyperplasia, Hematopoietic  
Inflammation, Chronic Focal  
Foreign Material, Nos  
Inflammation, Acute/Chronic  
Hyperplasia, Follicular Cell  
Lymphoma, Nos-Malignant  
Cyst, Nos  
Hyperplasia, Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_027

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Liver		Hepatocellular Adenoma
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Uterus		Angiectasis
	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_028

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Lymphoma, Nos-Malignant  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_029

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_030

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Pituitary gland	Anterior Pituitary	Angiectasis
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_031

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Liver	Hepatocytes	Cytoplasmic Vacuolization
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Pancreas	Acinus	Focal Cellular Change
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_032

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Brain	Thalamus	Mineralization
Liver		Inflammation, Chronic Focal
Mammary gland		Hyperplasia, Cystic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hyperplasia, Hematopoietic
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus		Hemangiosarcoma
	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_033

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

---

**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Nos-Malignant

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_034

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Intestine Small	Jejunum	Lymphoma, Nos-Malignant
Lung		Alveolar/Bronchiolar Adenoma
		Hemorrhage
Nasal cavity		Foreign Material, Nos
Urinary bladder	Mucosa	Hyperplasia, Diffuse
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_035

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hypertrophy, Focal
Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Heart	Myocardium Nos	Degeneration, Nos
Liver		Inflammation, Chronic Focal
Lymph node	Mesenteric Lymph Node	Hemorrhage
	Mandibular Lymph Node	Plasmacytosis
Pituitary gland	Anterior Pituitary	Adenoma, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_036

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Intestine Small	Gland, Duodenum Mesentery Nos	Adenoma, Nos Necrosis, Fat Lymphocytic Inflammatory Infiltrate
Kidney		Hematopoiesis
Liver		Angiectasis
Ovary		Necrosis, Focal
Spleen		Hyperplasia, Hematopoietic
Stomach	Forestomach Forestomach	Hyperplasia, Epithelial Inflammation, Chronic Focal
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic
Vagina		Inflammation, Acute Focal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_037

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland	Capsule	Hyperplasia, Nos
Bone marrow		Hyperplasia, Hematopoietic
Brain	Thalamus	Mineralization
Liver		Cell-Size Alteration
		Hemangiosarcoma
Nasal cavity		Foreign Material, Nos
Pancreas		Lymphocytic Inflammatory Infiltrate
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Lymphoid
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_038

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Kidney	Tubule	Atrophy, Focal
		Lymphocytic Inflammatory Infiltrate
Liver		Hepatocellular Adenoma
Spleen		Hyperplasia, Lymphoid
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic
	Parovarian	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_039

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone marrow  
Lung

Hyperplasia, Hematopoietic  
Congestion, Acute Passive  
Foreign Material, Nos  
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_040

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Liver		Inflammation, Chronic Focal
Lymph node	Pancreatic Lymph Node	Hyperplasia, Lymphoid
Pancreas	Islets	Ectopia
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Spleen		Hyperplasia, Lymphoid
Unspecified	Abdominal Cavity	Cyst, Nos
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_041

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Focal Cellular Change
Intestine Small	Submucosa, Jejunum	Amyloidosis
Liver		Cell-Size Alteration
		Hematopoiesis
Nasal cavity		Hemorrhage
		Inflammation, Acute/Chronic
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Spleen		Hyperplasia, Lymphoid
Stomach	Forestomach	Hyperplasia, Epithelial
	Forestomach	Inflammation, Chronic Focal
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_042

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Submucosa, Jejunum	Amyloidosis
Liver		Inflammation, Chronic Focal
Nasal cavity		Foreign Material, Nos
		Hemorrhage
Pituitary gland	Anterior Pituitary	Adenoma, Nos
	Anterior Pituitary	Hemorrhage
Thyroid		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_043

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Fibrosis, Myelo
		Hyperplasia, Hematopoietic
Intestine Small	Submucosa, Jejunum	Amyloidosis
Lung		Hemorrhage
Nasal cavity	Turbinates Nos	Hemorrhage
Ovary		Cyst, Parovarian
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Fundal Gland	Cytoplasmic Change, Eosinophilic
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_044

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Dosing Accident

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Heart	Pericardium Nos	Inflammation, Chronic Focal
Lung	Pleura Nos	Inflammation, Acute/Chronic
Thymus		Inflammation, Acute/Chronic
Unspecified	Mediastinum Nos	Foreign Material, Nos
	Mediastinum Nos	Inflammation, Acute/Chronic

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_045

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone marrow  
Lung  
Unspecified  
Uterus

Multiple Organs Nos  
Endometrium

Hyperplasia, Hematopoietic  
Alveolar/Bronchiolar Adenoma  
Lymphoma, Nos-Malignant  
Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_046

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Bone marrow		Hyperplasia, Hematopoietic
Spleen		Hyperplasia, Hematopoietic
Stomach	Forestomach	Inflammation, Chronic Focal
	Forestomach	Squamous Cell Papilloma
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_047

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Bone marrow		Hyperplasia, Hematopoietic
Nasal cavity		Foreign Material, Nos
		Inflammation, Acute Focal
Pancreas	Acinus	Atrophy, Focal
Pituitary gland	Anterior Pituitary	Angiectasis
Tooth		Dysplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant
Uterus	Endometrium	Hyperplasia, Cystic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_048

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Focal Cellular Change
Liver		Cell-Size Alteration
		Hematopoiesis
Nasal cavity	Turbinate Nos	Crystals, Nos
		Inflammation, Acute/Chronic
Ovary		Cyst, Nos
Thyroid		Follicular-Cell Adenoma
Tooth		Dysplasia, Nos
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_049

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Dosing Accident

**DAY ON TEST:**  
**HISTO:**

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**OBSERVATIONS**

Lung		Congestion, Acute Passive
Uterus	Endometrium	Hyperplasia, Cystic

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C56100  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 15:53:14  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_050

**TRT#:** 3  
**DOSE:** 0

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:**  
**HISTO:**

**OBSERVATIONS**

Bone	Cortex Of Bone	Fibrosis, Myelo
Brain	Thalamus	Mineralization
Lung		Hyperplasia, Lymphoid
Ovary		Cyst, Nos
Pituitary gland	Anterior Pituitary	Adenoma, Nos
Skin		Inflammation, Chronic Diffuse
Spleen		Hyperplasia, Lymphoid
Thyroid		Follicular-Cell Adenoma
Uterus	Endometrium	Hyperplasia, Cystic

PRIMARY CAUSE OF DEATH

-

**\*\* END OF REPORT \*\***