

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

<b>C Number:</b>	C55572
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Male

**Experiment Number:** C55572

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene

**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 09:44:44

**First Dose M/F:** NA / NA

**Lab:** NA

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**ANIMAL ID:** 1\_C01

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Lymphocytic-Malignant Type

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C02

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Hepatocellular Carcinoma Nuclei, Abnormal Number
Lung		Hepatocellular Carcinoma, Metastatic
Prostate		Lymphocytic Inflammatory Infiltrate
Spleen		Hematopoiesis
Unspecified	Mediastinum Nos	Hepatocellular Carcinoma, Metastatic Sarcoma, Nos

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C03

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node	Mesenteric Lymph Node	Hemorrhage
Unspecified	Multiple Organs Nos	Alveolar/Bronchiolar Carcinoma, Metastatic

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C04

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small  
Kidney

Mesentery Nos

Perivasculitis  
Inflammation, Interstitial  
Tubular-Cell Adenoma

Liver

Centrilobular

Cytomegaly  
Hepatocellular Adenoma  
Nuclei, Abnormal Number

Lung

Bronchus

Inflammation, Chronic  
Lymphocytic Inflammatory Infiltrate  
Lymphocytic Inflammatory Infiltrate  
Hematopoiesis

Pancreas

Salivary gland

Spleen

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C05

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Hepatocellular Adenoma Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Adenoma
Stomach	Forestomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C06

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Lung		Hyperplasia, Focal
Unspecified	Multiple Organs Nos Abdominal Cavity	Lymphocytic Inflammatory Infiltrate Necrosis, Fat

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C07

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Cytoplasmic Vacuolization Nuclei, Abnormal Number Lymphocytic Inflammatory Infiltrate
Prostate		Lymphocytic Inflammatory Infiltrate
Salivary gland		Lymphocytic Inflammatory Infiltrate
Tooth	Pulp Of Tooth	Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C08

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Carcinoma
Preputial gland		Dilatation, Ducts Inflammation, Chronic Suppurative
Seminal vesicle		Inflammation, Granulomatous
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C09

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Harderian gland  
Liver

Harderian Gland  
Centrilobular

Adenoma, Nos  
Cytomegaly  
Cytoplasmic Vacuolization  
Nuclei, Abnormal Number  
Inflammation, Interstitial  
Hyperkeratosis  
Inflammation, Chronic  
Lymphocytic Inflammatory Infiltrate

Lung  
Stomach  
Unspecified

Forestomach

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C10

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver		Amyloidosis
		Hematopoiesis
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate
	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C11

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Kidney		Cyst, Nos
Liver	Centrilobular	Lymphocytic Inflammatory Infiltrate Cytomegaly Hepatocellular Adenoma Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Adenoma
Prostate		Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C12

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Adenoma, Nos
	Cortex Nos	Hyperplasia, Focal
Liver	Centrilobular	Cytomegaly
		Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Adenoma
		Alveolar/Bronchiolar Carcinoma
		Inflammation, Interstitial
Preputial gland		Dilatation, Ducts
		Inflammation, Suppurative
Skin	Tail	Cyst, Follicular Nos
	Tail	Inflammation, Chronic Suppurative
Stomach	Forestomach	Ulcer, Chronic
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C13

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C14

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Harderian gland  
Liver  
Nasal cavity  
Stomach  
Thymus  
Unspecified

Harderian Gland  
Centrilobular  
Forestomach  
Multiple Organs Nos

Adenoma, Nos  
Cytomegaly  
Inflammation, Suppurative  
Squamous Cell Papilloma  
Cyst, Nos  
Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C15

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Bone	Skull	Hyperostosis
Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly
		Nuclei, Abnormal Number
Unspecified		Fibrosarcoma

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal gland  
Liver

Cortex Nos  
Centrilobular

Hyperplasia, Focal  
Cytomegaly  
Cytoplasmic Change, Eosinophilic  
Nuclei, Abnormal Number

Lymph node  
Spleen  
Unspecified

Multiple Organs Nos

Hyperplasia, Lymphoid  
Hyperplasia, Lymphoid  
Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C17

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Bone	Skull	Hyperostosis
Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly
		Hepatocellular Adenoma
Lung		Alveolar/Bronchiolar Adenoma
Preputial gland		Dilatation, Ducts
		Inflammation, Chronic Suppurative

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C18

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Unspecified

Multiple Organs Nos

Lymphoma, Undifferentiated-Malignant Type

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Kidney		Inflammation, Interstitial
Liver		Hepatocellular Carcinoma
Spleen		Hematopoiesis
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Dosing Accident

**HISTO:**

---

**OBSERVATIONS**

Kidney

Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:44  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C21

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly
Lung		Inflammation, Interstitial
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C22

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly Lymphocytic Inflammatory Infiltrate
Lung		Nuclei, Abnormal Number Inflammation, Interstitial

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C23

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly
Nasal cavity		Inflammation, Suppurative
Stomach	Forestomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate
	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Dosing Accident

**HISTO:**

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**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly
Lung		Inflammation, Interstitial
Prostate		Lymphocytic Inflammatory Infiltrate
Unspecified		Fibrosarcoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Lung		Inflammation, Interstitial
Preputial gland		Abscess, Nos
		Dilatation, Ducts
Skin	Back	Inflammation, Acute/Chronic
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C26

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland  
Liver  
  
Preputial gland  
  
Thyroid  
Unspecified

Cortex Nos  
Centrilobular  
  
  
  
Multiple Organs Nos

Hyperplasia, Focal  
Cytomegaly  
Nuclei, Abnormal Number  
Dilatation, Ducts  
Inflammation, Chronic Suppurative  
Cyst, Follicular Nos  
Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C27

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Lymphoma, Lymphocytic-Malignant Type Necrosis, Coagulative Nuclei, Abnormal Number
Lung Unspecified	Multiple Organs Nos	Alveolar/Bronchiolar Adenoma Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C28

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland  
Harderian gland  
Unspecified

Cortex Nos  
Harderian Gland  
Multiple Organs Nos

Hyperplasia, Focal  
Adenoma, Nos  
Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C29

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver  
Stomach  
Unspecified

Peyers Patch

Forestomach

Multiple Organs Nos

Hyperplasia, Lymphoid  
Lymphocytic Inflammatory Infiltrate  
Hepatocellular Carcinoma  
Hyperplasia, Epithelial  
Periarteritis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C30

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**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:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C31

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
		Metaplasia, Osseous
Lymph node	Mesenteric Lymph Node	Hemorrhage
		Periarteritis
Testis		Periarteritis
Unspecified	Abdominal Cavity	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C32

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Hepatocellular Adenoma Nuclei, Abnormal Number
Lymph node Unspecified	Mesenteric Lymph Node Multiple Organs Nos	Lymphoma, Mixed-Malignant Type Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C33

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Infarct, Nos Nuclei, Abnormal Number
Lymph node	Mesenteric Lymph Node	Lymphoma, Mixed-Malignant Type
Preputial gland		Abscess, Nos
Testis	Scrotum Nos	Inflammation, Chronic
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C34

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Lung		Inflammation, Interstitial
Preputial gland		Dilatation, Ducts
Salivary gland		Inflammation, Chronic Suppurative
Stomach	Glandular Stomach	Lymphocytic Inflammatory Infiltrate Hyperplasia, Epithelial

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C35

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small  
Liver

Peyers Patch  
Centrilobular

Hyperplasia, Lymphoid  
Cytomegaly  
Hepatocellular Adenoma  
Nuclei, Abnormal Number  
Hyperplasia, Lymphoid  
Hyperplasia, Epithelial  
Lymphocytic Inflammatory Infiltrate

Lymph node  
Stomach  
Unspecified

Mesenteric Lymph Node  
Forestomach  
Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C36

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Hepatocellular Adenoma Nuclei, Abnormal Number Peliosis Hepatis
Stomach Unspecified	Forestomach Multiple Organs Nos	Squamous Cell Papilloma Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C37

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly
		Nuclei, Abnormal Number
Preputial gland		Dilatation, Ducts
Salivary gland		Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C38

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Prostate		Lymphocytic Inflammatory Infiltrate
Testis		Atrophy, Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Natural Death

**HISTO:**

**OBSERVATIONS**

Kidney		Pyelonephritis, Acute
Liver		Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Adenoma
		Congestion, Nos
Lymph node	Mesenteric Lymph Node	Hemorrhage
Prostate		Inflammation, Suppurative
Skin		Fibroma
Stomach	Forestomach	Ulcer, Acute
Thymus		Atrophy, Nos
Urinary bladder		Inflammation, Suppurative

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 1\_C40

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Lung Unspecified	Multiple Organs Nos	Inflammation, Interstitial Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C41

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney	Lymphocytic Inflammatory Infiltrate
Liver	Hepatocellular Carcinoma
Prostate	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C42

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Lung		Inflammation, Interstitial
Unspecified	Multiple Organs Nos Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Lymphoma, Mixed-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C43

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Cytoplasmic Vacuolization
	Bile Duct	Hyperplasia, Focal Inflammation, Chronic Nuclei, Abnormal Number
Spleen		Hyperplasia, Lymphoid

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C44

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small  
Liver

Peyers Patch  
Centrilobular

Lung  
Spleen

Tooth

Unspecified

Pulp Of Tooth

Multiple Organs Nos

Hyperplasia, Lymphoid  
Cytomegaly  
Nuclei, Abnormal Number  
Alveolar/Bronchiolar Adenoma  
Hyperplasia, Lymphoid  
Inflammation, Chronic Suppurative  
Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C45

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Liver	Centrilobular	Cytomegaly
		Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Carcinoma
Pancreas	Islets	Hyperplasia, Focal
Unspecified		Hemangiosarcoma
	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C46

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Adrenal gland  
Liver

Cortex Nos  
Centrilobular

Hyperplasia, Focal  
Cytomegaly  
Nuclei, Abnormal Number  
Fibroma  
Lymphocytic Inflammatory Infiltrate

Skin  
Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 1\_C47

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Larynx		Inflammation, Acute/Chronic
Liver	Centrilobular	Cytomegaly Hepatocellular Adenoma
Pancreas	Acinus	Atrophy, Nos
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C48

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye		Cataract
Harderian gland	Harderian Gland	Adenoma, Nos
Liver	Centrilobular	Cytomegaly
		Nuclei, Abnormal Number
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Stomach	Glandular Stomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C49

**TRT#:** 1  
**DOSE:** 500.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Epididymis		Lymphocytic Inflammatory Infiltrate
Intestine Small	Peyers Patch	Hyperplasia, Lymphoid
Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Angiectasis
		Cytomegaly
		Cytoplasmic Vacuolization
		Hepatocellular Adenoma
		Nuclei, Abnormal Number
Lung		Histiocytosis
		Inflammation, Interstitial
Lymph node	Mediastinal Lymph Node	Hyperplasia, Lymphoid

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 1\_C50

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 500.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Intestine Small  
Liver

Peyers Patch  
Centrilobular

Hyperplasia, Lymphoid  
Cytomegaly  
Hepatocellular Adenoma  
Nuclei, Abnormal Number  
Inflammation, Interstitial  
Dilatation, Ducts  
Inflammation, Suppurative  
Fibrosis  
Mineralization  
Lymphocytic Inflammatory Infiltrate

Lung  
Preputial gland

Prostate

Unspecified

Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C02

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Harderian gland

Hardarian Gland

Adenoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C03

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Adrenal gland  
Thymus

Cortex Nos

Hyperplasia, Nos  
Cyst, Embryonal Duct

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C04

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Hepatocellular Adenoma
Lung		Alveolar/Bronchiolar Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C05

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Hepatocellular Adenoma
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene

**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 09:44:45

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_C06

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Stomach

Forestomach

Cyst, Epidermal Inclusion

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C08

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Lung  
Unspecified

Alveolar/Bronchiolar Carcinoma  
Fibrosis

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C09

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Harderian gland  
Kidney  
Salivary gland  
Spleen  
Unspecified

Hardarian Gland

Adenoma, Nos  
Lymphocytic Inflammatory Infiltrate  
Lymphocytic Inflammatory Infiltrate  
Hematopoiesis  
Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C10

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver Hepatocellular Carcinoma

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C11

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver		Hepatocellular Adenoma
Stomach	Forestomach	Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C12

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver		Cytoplasmic Change, Eosinophilic
Stomach	Forestomach	Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C13

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Inflammation, Interstitial
Unspecified	Multiple Organs Nos	Lymphoma, Lymphocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C15

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver		Hepatocellular Carcinoma
Lung		Alveolar/Bronchiolar Adenoma
Stomach	Forestomach	Hyperplasia, Epithelial

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C16

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Heart

Kidney

Liver

Lung

Centrilobular

Mineralization

Mineralization

Cytomegaly

Pigmentation, Nos

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C18

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate Mineralization
Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Salivary gland		Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C19

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver  
Lung  
Unspecified

Mesentery Nos  
  
  
  
Mediastinum Nos

Arteriosclerosis, Nos  
Lymphocytic Inflammatory Infiltrate  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma, Metastatic  
Hepatocellular Carcinoma, Metastatic

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C20

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Cytoplasmic Change, Eosinophilic

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C21

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Lung  
Stomach

Alveolar/Bronchiolar Carcinoma  
Hyperplasia, Epithelial  
Inflammation, Chronic  
Ulcer, Nos  
Lymphoma, Lymphocytic-Malignant Type

Thymus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C22

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Intestine Small  
Liver  
Prostate  
Unspecified

Ileum

Abdominal Cavity

Lymphoma, Nos-Malignant  
Hepatocellular Carcinoma  
Lymphocytic Inflammatory Infiltrate  
Hematoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C23

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver  
Hepatocellular Adenoma  
Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C24

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver		Hepatocellular Adenoma
Stomach	Forestomach	Hyperplasia, Epithelial
Unspecified	Abdominal Cavity	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C25

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Epididymis

Liver

Lung

Prostate

Seminal vesicle

Spleen

Stomach

Forestomach

Spermatocele

Necrosis, Focal

Nuclei, Abnormal Number

Alveolar/Bronchiolar Adenoma

Inflammation, Suppurative

Inflammation, Chronic

Hematopoiesis

Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C26

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney	Lymphocytic Inflammatory Infiltrate Mineralization
Lung	Alveolar/Bronchiolar Adenoma
Salivary gland	Lymphocytic Inflammatory Infiltrate
Spleen	Depletion, Lymphoid Hemangiosarcoma

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C27

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney	Lymphocytic Inflammatory Infiltrate
Prostate	Lymphocytic Inflammatory Infiltrate
Salivary gland	Lymphocytic Inflammatory Infiltrate
Unspecified	Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C28

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver

Centrilobular

Cytomegaly

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C29

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Cytoplasmic Change, Basophilic
Lung		Alveolar/Bronchiolar Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C30

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver

Centrilobular

Cytomegaly

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C31

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Lung	Histiocytosis
Skin	Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C33

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Dosing Accident

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

---

**OBSERVATIONS**

Liver  
Unspecified

Centrilobular  
Multiple Organs Nos  
Abdominal Cavity

Cytomegaly  
Lymphocytic Inflammatory Infiltrate  
Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C34

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung  
Preputial gland

Prostate  
Spleen  
Tongue

Squamous Cell Carcinoma, Metastatic  
Abscess, Nos  
Dilatation, Ducts  
Fibrosis  
Atrophy, Nos  
Squamous Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C35

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Dosing Accident

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

---

**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly
Salivary gland		Lymphocytic Inflammatory Infiltrate
Stomach	Forestomach	Ulcer, Nos

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C36

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Lymph node

Mesenteric Lymph Node

Hyperplasia, Lymphoid

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C37

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Intestine Small  
Liver

Ileum

Hyperplasia, Adenomatous  
Hepatocellular Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene

**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 09:44:45

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_C38

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Heart

Inflammation, Chronic Focal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C39

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney	Lymphocytic Inflammatory Infiltrate
Liver	Cytoplasmic Change, Basophilic
Lung	Alveolar/Bronchiolar Adenoma
Nasal cavity	Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C40

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly Nuclei, Abnormal Number
Pancreas		Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C41

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Eye		Cataract
		Fibrosis
Harderian gland	Harderian Gland	Adenoma, Nos
Liver		Hepatocellular Adenoma
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene

**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 09:44:45

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 2\_C42

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

---

**OBSERVATIONS**

Liver

Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C43

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Natural Death

**HISTO:**

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**OBSERVATIONS**

Unspecified

Sarcoma, Nos

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C44

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 250.0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:**

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**OBSERVATIONS**

Liver

Hepatocellular Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C45

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Cytoplasmic Change, Basophilic Hepatocellular Adenoma Lymphoma, Mixed-Malignant Type Nuclei, Abnormal Number
Preputial gland		Dilatation, Ducts
Unspecified		Inflammation, Chronic

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C46

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Kidney	Tubule	Cyst, Nos Lymphocytic Inflammatory Infiltrate
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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C47

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Pancreas

Acinus

Atrophy, Nos  
Dilatation, Ducts

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C48

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Eye  
Harderian gland  
Preputial gland

Hardarian Gland

Phthisis Bulbi  
Adenoma, Nos  
Dilatation, Ducts

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C49

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Pancreas	Islets	Islet-Cell Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 2\_C50

**TRT#:** 2  
**DOSE:** 250.0 MG/KG

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Stomach

Forestomach

Squamous Cell Papilloma

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C01

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Adenoma
Lymph node	Mandibular Lymph Node	Hemosiderosis
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C02

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

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Kidney	Lymphocytic Inflammatory Infiltrate
Liver	Hepatocellular Carcinoma
	Lymphocytic Inflammatory Infiltrate
	Nuclei, Abnormal Number
Salivary gland	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH** -

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C03

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Adrenal gland  
Kidney  
Liver  
Lung  
Preputial gland

Capsule

Hyperplasia, Focal  
Lymphocytic Inflammatory Infiltrate  
Hepatocellular Adenoma  
Inflammation, Interstitial  
Dilatation, Ducts

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C04

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Hemangiosarcoma
Lymph node	Mandibular Lymph Node	Lymphocytic Inflammatory Infiltrate
Preputial gland		Inflammation, Chronic Suppurative
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type
	Abdominal Cavity	Necrosis, Fat

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C05

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

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Kidney  
Penis  
Prostate  
Urinary bladder

Lymphocytic Inflammatory Infiltrate  
Inflammation, Suppurative  
Inflammation, Chronic  
Calculus, Gross Observation Only  
Inflammation, Chronic Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C06

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Adrenal gland	Medulla	Pheochromocytoma
Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly
		Hepatocellular Carcinoma
		Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Adenoma
		Hepatocellular Carcinoma, Metastatic
Lymph node	Mandibular Lymph Node	Hemosiderosis
Preputial gland		Abscess, Nos
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C07

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

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Kidney		Hemosiderosis
Lung		Alveolar/Bronchiolar Adenoma
Lymph node		Hematopoiesis
		Hemorrhage
Spleen		Hematopoiesis
Testis		Atrophy, Nos
Unspecified	Abdominal Cavity	Hemangiosarcoma
Urinary bladder		Inflammation, Chronic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C08

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Cytoplasmic Vacuolization
Lung		Alveolar/Bronchiolar Adenoma
Skin	Dermis	Fibrosis Inflammation, Chronic
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C09

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney  
Unspecified

Multiple Organs Nos

Necrosis, Nos  
Lymphoma, Nos-Malignant

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C10

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Harderian gland  
Liver  
Preputial gland  
Unspecified

Harderian Gland  
Centrilobular  
Multiple Organs Nos

Adenoma, Nos  
Cytomegaly  
Abscess, Nos  
Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C11

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

**SEX:** Male  
**DISP:** Dosing Accident

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

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Cytoplasmic Vacuolization Nuclei, Abnormal Number
Lung		Foreign Material, Nos Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hemorrhage
Pancreas	Islets	Hyperplasia, Focal
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C12

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Bone marrow

Angiectasis

Intestine Small

Mesentery, Ileum

Thrombosis, Nos

Preputial gland

Adenocarcinoma, Nos

Dilatation, Ducts

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C13

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Carcinoma
Seminal vesicle		Inflammation, Acute
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type
Urinary bladder		Inflammation, Suppurative

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572

**Test Type:** Long-Term

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene

**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 09:44:45

**First Dose M/F:** NA / NA

**Lab:** NA

---

**ANIMAL ID:** 3\_C14

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:**

**DOSE:** 0

**DISP:** Natural Death

**HISTO:**

---

**OBSERVATIONS**

Liver

Hepatocellular Carcinoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C15

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

---

**OBSERVATIONS**

Intestine Small  
Kidney

Ileum

Adenocarcinoma, Nos  
Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C16

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Adrenal gland  
Liver

Cortex Nos  
Centrilobular

Hyperplasia, Focal  
Cytomegaly  
Hepatocellular Adenoma  
Hyperplasia, Lymphoid  
Cyst, Follicular Nos  
Lymphocytic Inflammatory Infiltrate

Spleen  
Thyroid  
Unspecified

Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C17

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Kidney  
Liver  
Lung

Glomerulonephritis, Nos  
Hepatocellular Carcinoma  
Alveolar/Bronchiolar Adenoma  
Hepatocellular Carcinoma, Metastatic  
Osteosarcoma, Uncertain Primary/Metastatic  
Lymphocytic Inflammatory Infiltrate

Stomach  
Unspecified

Serosa  
Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C19

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Harderian gland  
Pancreas  
Pituitary gland  
Preputial gland  
Unspecified

Harderian Gland  
Acinus  
Anterior Pituitary  
Multiple Organs Nos

Adenoma, Nos  
Atrophy, Nos  
Hyperplasia, Focal  
Dilatation, Ducts  
Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C20

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Liver	Hepatocellular Carcinoma Necrosis, Nos
Lung	Lymphocytic Inflammatory Infiltrate
Salivary gland	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C21

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney	Tubule	Cytoplasmic Vacuolization
Liver		Hepatocellular Carcinoma
Lymph node	Mesenteric Lymph Node	Congestion, Nos

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C22

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

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Hepatocellular Carcinoma Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Carcinoma Hepatocellular Carcinoma, Metastatic
Salivary gland		Lymphocytic Inflammatory Infiltrate
Spleen		Hematopoiesis
Stomach	Forestomach	Hyperplasia, Focal
	Forestomach	Inflammation, Acute/Chronic

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C23

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Kidney  
Liver  
Lung  
Salivary gland

Mineralization  
Nuclei, Abnormal Number  
Histiocytosis  
Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C24

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly
Lung		Alveolar/Bronchiolar Adenoma
Preputial gland		Dilatation, Ducts
Skin	Circumanal Gland	Adenoma, Nos
Stomach	Forestomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C25

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

**SEX:** Male  
**DISP:** Dosing Accident

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

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**OBSERVATIONS**

Intestine Large  
Liver  
Unspecified

Rectum  
Centrilobular  
Multiple Organs Nos

Hyperplasia, Lymphoid  
Cytomegaly  
Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C26

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular
Lung	
Unspecified	Multiple Organs Nos

Cytomegaly
Alveolar/Bronchiolar Adenoma
Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C27

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Kidney		Inflammation, Interstitial
Liver	Centrilobular	Cytomegaly Infarct, Nos
Lung		Inflammation, Interstitial
Nasal cavity		Inflammation, Suppurative
Pituitary gland	Anterior Pituitary	Hyperplasia, Focal
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C28

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Intestine Small  
Kidney  
Liver

Jejunum

Centrilobular

Adenocarcinoma, Nos  
Inflammation, Interstitial  
Cytomegaly  
Cytoplasmic Vacuolization  
Hepatocellular Adenoma  
Hyperplasia, Lymphoid  
Hyperplasia, Follicular Cell  
Lymphocytic Inflammatory Infiltrate

Spleen  
Thyroid  
Unspecified

Multiple Organs Nos

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C29

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

**SEX:** Male  
**DISP:** Natural Death

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

---

**OBSERVATIONS**

Harderian gland  
Kidney

Harderian Gland  
Tubule

Adenocarcinoma, Nos  
Dilatation, Nos  
Fibrosis

Liver  
Lung

Centrilobular

Cytomegaly  
Alveolar/Bronchiolar Adenoma  
Edema, Nos

Stomach

Forestomach

Hyperkeratosis

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C30

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Kidney		Inflammation, Interstitial
Liver	Centrilobular	Cytomegaly Hepatocellular Carcinoma
Lung		Histiocytosis
Seminal vesicle		Inflammation, Suppurative
Spleen		Hemangiosarcoma
Stomach	Forestomach	Ulcer, Chronic
Thyroid		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C31

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly
Lung		Alveolar/Bronchiolar Adenoma
Pancreas	Acinus	Atrophy, Nos
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C32

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

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Cytoplasmic Change, Basophilic
Lymph node	Mesenteric Lymph Node	Hemorrhage

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C33

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Epididymis		Lymphocytic Inflammatory Infiltrate
Kidney		Inflammation, Interstitial
Liver	Centrilobular	Cytomegaly
		Hepatocellular Adenoma
Lung		Inflammation, Interstitial

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C34

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Hepatocellular Adenoma
Preputial gland		Inflammation, Granulomatous
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C35

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver		Hepatocellular Adenoma
Lung		Alveolar/Bronchiolar Adenoma
Stomach	Forestomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C36

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Hepatocellular Adenoma
Lung		Hyperplasia, Focal
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

---

**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C37

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Harderian gland  
Liver  
Lung

Hardarian Gland

Inflammation, Chronic  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma, Metastatic  
Inflammation, Interstitial

Preputial gland

Dilatation, Ducts  
Inflammation, Chronic Suppurative

Salivary gland  
Spleen

Lymphocytic Inflammatory Infiltrate  
Hematopoiesis

Stomach  
Thymus

Forestomach

Hyperplasia, Epithelial  
Atrophy, Nos

Unspecified

Multiple Organs Nos

Lymphoma, Mixed-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C38

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Epididymis		Inflammation, Chronic
Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly
Lung		Inflammation, Interstitial
Preputial gland		Dilatation, Ducts
Salivary gland		Lymphocytic Inflammatory Infiltrate
Testis		Atrophy, Nos

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_C39

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Intestine Small  
Liver  
Preputial gland

Ileum

Adenocarcinoma, Nos  
Hepatocellular Carcinoma  
Dilatation, Ducts  
Inflammation, Chronic Suppurative  
Hematopoiesis  
Hyperplasia, Epithelial  
Lymphocytic Inflammatory Infiltrate

Spleen  
Stomach  
Unspecified

Forestomach  
Multiple Organs Nos

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C40

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver		Hepatocellular Carcinoma
Lung		Inflammation, Interstitial
Preputial gland		Dilatation, Ducts
		Inflammation, Chronic Suppurative
Thyroid		Hyperplasia, Follicular Cell
Tooth	Gum Nos	Inflammation, Chronic Suppurative
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C41

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Harderian gland  
Kidney  
Liver  
Nasal cavity  
Spleen  
Stomach  
  
Unspecified

Hardarian Gland  
  
Maxillary Sinus Nos  
  
Forestomach  
Forestomach  
Multiple Organs Nos

Adenoma, Nos  
Glomerulonephritis, Nos  
Hepatocellular Carcinoma  
Inflammation, Suppurative  
Hematopoiesis  
Hyperplasia, Epithelial  
Squamous Cell Papilloma  
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C42

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

**SEX:** Male  
**DISP:** Natural Death

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

**OBSERVATIONS**

Liver	Centrilobular	Degeneration, Nos Hepatocellular Carcinoma
Lung	Kupffer Cell	Hyperplasia, Nos Alveolar/Bronchiolar Adenoma Hepatocellular Carcinoma, Metastatic
Stomach Unspecified	Forestomach	Ulcer, Nos Fibrosarcoma
	Abdominal Cavity	Hepatocellular Carcinoma, Metastatic
	Back	Hepatocellular Carcinoma, Metastatic
	Mediastinum Nos	Hepatocellular Carcinoma, Metastatic

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C43

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly
Lung		Inflammation, Interstitial
Pancreas	Islets	Hyperplasia, Focal
Skeletal muscle		Hemangiosarcoma
Thyroid		Hyperplasia, Follicular Cell
Unspecified	Multiple Organs Nos	Lymphoma, Mixed-Malignant Type
Urinary bladder		Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_C44

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Adrenal gland

Capsule

Adenoma, Nos

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Degeneration, Nos

Liver

Centrilobular

Cytomegaly

Unspecified

Multiple Organs Nos

Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_C45

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Intestine Small  
Kidney  
Liver  
  
Lung  
Salivary gland  
Spleen  
Urinary bladder

Ileum

Hyperplasia, Adenomatous  
Glomerulonephritis, Nos  
Hepatocellular Carcinoma  
Inflammation, Chronic  
Hepatocellular Carcinoma, Metastatic  
Lymphocytic Inflammatory Infiltrate  
Hematopoiesis  
Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

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**ANIMAL ID:** 3\_C46

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Esophagus		Squamous Cell Papilloma
Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Centrilobular	Cytomegaly
		Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Adenoma
		Inflammation, Interstitial

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C47

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver	Centrilobular	Cytomegaly Cytoplasmic Change, Basophilic Nuclei, Abnormal Number
Lung		Alveolar/Bronchiolar Adenoma Inflammation, Interstitial
Spleen		Hyperplasia, Lymphoid
Thymus		Atrophy, Nos
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

**ANIMAL ID:** 3\_C48

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

**OBSERVATIONS**

Kidney		Glomerulonephritis, Nos
Liver	Centrilobular	Cytomegaly Hepatocellular Carcinoma Nuclei, Abnormal Number
Pancreas	Acinus	Atrophy, Nos
Spleen		Hematopoiesis Hyperplasia, Lymphoid
Stomach	Forestomach	Hyperkeratosis
	Forestomach	Hyperplasia, Epithelial
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate

**PRIMARY CAUSE OF DEATH**

-

**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C49

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

**SEX:** Male  
**DISP:** Terminal Sacrifice

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

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**OBSERVATIONS**

Liver		Hematopoiesis
Lung		Inflammation, Interstitial
Pancreas	Acinus	Atrophy, Nos
Preputial gland		Dilatation, Ducts
Spleen		Hematopoiesis
Unspecified		Sarcoma, Nos
Urinary bladder		Lymphocytic Inflammatory Infiltrate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** C55572  
**Test Type:** Long-Term  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** D-Limonene  
**CAS Number:** 5989-27-5

**Date Report Requested:** 10/26/2014  
**Time Report Requested:** 09:44:45  
**First Dose M/F:** NA / NA  
**Lab:** NA

---

**ANIMAL ID:** 3\_C50

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

**SEX:** Male  
**DISP:** Natural Death

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

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**OBSERVATIONS**

Kidney  
Lymph node  
Stomach

Hepatic Lymph Node  
Forestomach

Mineralization  
Hemorrhage  
Squamous Cell Carcinoma

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**PRIMARY CAUSE OF DEATH**

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**\*\* END OF REPORT \*\***