

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C20005
<b>Lock Date:</b>	Not Entered.
<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>	Both
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 101

**TRT#:** 1  
**DOSE:** 0 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202625

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

**OBSERVATIONS**

\* Kidney

Nephropathy

Minimal

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Mild

Alveolus

Infiltration Cellular

Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 102

**TRT#:** 1  
**DOSE:** 0 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202626

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 103

**TRT#:** 1  
**DOSE:** 0 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202627

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Liver

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Lung

Alveolus  
Alveolar Epith  
Interstitialium

Hemorrhage  
Hyperplasia  
Inflammation

Minimal  
Minimal  
Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 104

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202628

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Liver

---

**OBSERVATIONS**

\* Kidney

Nephropathy

Minimal

\* Lung

Alveolus

Hemorrhage

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 105

**TRT#:** 1  
**DOSE:** 0 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202629

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Hepatocyte

Fatty Change

Minimal

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Minimal

Alveolus

Infiltration Cellular

Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 201

**TRT#:** 3

**DOSE:** 0.125 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202635

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 202

**TRT#:** 3

**DOSE:** 0.125 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202636

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 203

**TRT#:** 3

**DOSE:** 0.125 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202637

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 204

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 0.125 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202638

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 205

**TRT#:** 3

**DOSE:** 0.125 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202639

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 301

**TRT#:** 5

**DOSE:** 0.25 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202645

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 302

**TRT#:** 5  
**DOSE:** 0.25 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202646

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 303

**TRT#:** 5  
**DOSE:** 0.25 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202647

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 304

**TRT#:** 5  
**DOSE:** 0.25 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202648

---

**OBSERVATIONS**

Lung

Alveolus  
Alveolar Epith  
Alveolus

Hemorrhage  
Hyperplasia  
Infiltration Cellular

Mild  
Minimal  
Histiocyte, Minimal

[ Hemorrhage TGLS = 1-2+3 ]

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 305

**TRT#:** 5  
**DOSE:** 0.25 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202649

---

**OBSERVATIONS**

Lung  
[ Hemorrhage TGLS = 1-2+3 ]

Alveolus

Hemorrhage

Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 401

**TRT#:** 7

**DOSE:** 0.5 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202655

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 402

**TRT#:** 7

**DOSE:** 0.5 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202656

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 403

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 0.5 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202657

---

**OBSERVATIONS**

Lung

Alveolus

Hemorrhage

Moderate

Alveolus

Infiltration Cellular

Histiocyte, Minimal

[ Hemorrhage TGLS = 1-2+3 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 404

**TRT#:** 7

**DOSE:** 0.5 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202658

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 405

**TRT#:** 7

**DOSE:** 0.5 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202659

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 501

**TRT#:** 9

**DOSE:** 1.0 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202665

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 502

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 1.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202666

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 503

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 1.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202667

---

**OBSERVATIONS**

Liver

Hepatodiaphragmatic Nodule

[ Hepatodiaphragmatic Nodule TGLS = 1-5 ]

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 504

**TRT#:** 9

**DOSE:** 1.0 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202668

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 505

**TRT#:** 9

**DOSE:** 1.0 G/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202669

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 601	<b>TRT#:</b> 11 <b>DOSE:</b> 2.0 G/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 0202675
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Kidney
* Liver			

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**OBSERVATIONS**

* Lung	Alveolus	Fibrosis Hemorrhage	Focal, Minimal Minimal
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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 602

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 2.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202676

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Moderate

Alveolus

Infiltration Cellular

Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 603

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 2.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202677

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Hepatocyte

Fatty Change

Minimal

\* Lung

Alveolus

Hemorrhage

Mild

Bronchiole

Hyperplasia

Minimal

Interstitialium

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 604

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 2.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202678

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Moderate

Alveolar Epith

Hyperplasia

Minimal

Note: There is a large floater of liver within the pulmonary vessels in this animal.

[ Hemorrhage TGLS = 1-2+3 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 605

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 2.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202679

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Mild

Alveolus

Infiltration Cellular

Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 151	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 17
	<b>DOSE:</b> 0 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202630

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain
------------------	-------------------	---------

---

**OBSERVATIONS**

* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Focal, Minimal
* Lung	Alveolus	Hemorrhage	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 152

**TRT#:** 2

**DOSE:** 0 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202631

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

---

**OBSERVATIONS**

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 153

**TRT#:** 2  
**DOSE:** 0 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202632

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Mild

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Alveolus

Inflammation

Acute, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 154

**TRT#:** 2  
**DOSE:** 0 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202633

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

**OBSERVATIONS**

\* Kidney

Mineralization

Minimal

\* Liver

Hematopoietic Cell Proliferation

Minimal

\* Lung

Alveolus

Inflammation

Chronic Active, Focal, Minimal

Interstitialium

Hemorrhage

Minimal

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 155

**TRT#:** 2  
**DOSE:** 0 G/KG

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

**DAY ON TEST:** 17  
**HISTO:** 0202634

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

**OBSERVATIONS**

\* Kidney

Mineralization

Mild

Nephropathy

Minimal

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 251

**TRT#:** 4

**DOSE:** 0.125 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202640

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 252

**TRT#:** 4

**DOSE:** 0.125 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202641

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 253

**TRT#:** 4

**DOSE:** 0.125 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202642

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 254

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 0.125 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202643

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 255

**TRT#:** 4

**DOSE:** 0.125 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202644

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 351

**TRT#:** 6

**DOSE:** 0.25 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202650

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 352

**TRT#:** 6

**DOSE:** 0.25 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202651

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 353

**TRT#:** 6

**DOSE:** 0.25 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202652

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 354

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202653

---

**OBSERVATIONS**

Liver

Hepatodiaphragmatic Nodule

[ Hepatodiaphragmatic Nodule TGLS = 1,2-5 ]

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 355

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202654

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 451

**TRT#:** 8

**DOSE:** 0.5 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202660

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 452

**TRT#:** 8

**DOSE:** 0.5 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202661

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 453

**TRT#:** 8

**DOSE:** 0.5 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202662

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 454

**TRT#:** 8

**DOSE:** 0.5 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202663

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 455	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 17
	<b>DOSE:</b> 0.5 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202664

---

**OBSERVATIONS**

Lung		Fibrosis	Focal, Mild
	Alveolus	Hemorrhage	Moderate
Note: Pleura has several foci of fibrosis and mesothelial cell hypertrophy. This may be related to the chylothorax. [ Hemorrhage TGLS = 3-2+3 ]			
Lymph Node		Hemorrhage	Minimal
[ Hemorrhage TGLS = 2-6 ]			

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 551

**TRT#:** 10

**DOSE:** 1.0 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202670

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 552

**TRT#:** 10

**DOSE:** 1.0 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202671

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 553

**TRT#:** 10

**DOSE:** 1.0 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202672

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 554

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 1.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202673

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01

**Test Type:** 14-DAY

**Route:** GAVAGE

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng

**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 07:23:14

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

**Lab:** BAT

---

**ANIMAL ID:** 555

**TRT#:** 10

**DOSE:** 1.0 G/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0202674

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 651

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 2.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202680

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

**OBSERVATIONS**

\* Kidney

Mineralization

Mild

Nephropathy

Minimal

Inflammation

Chronic Active, Focal, Minimal

\* Liver

\* Lung

Alveolus

Hemorrhage

Minimal

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Interstitialium

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 652

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 2.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202681

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Moderate

Alveolus

Infiltration Cellular

Histiocyte, Minimal

[ Hemorrhage TGLS = 1,2-2+3 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 653

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 2.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202682

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

**OBSERVATIONS**

\* Kidney

Mineralization

Minimal

Nephropathy

Minimal

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Minimal

Alveolus

Infiltration Cellular

Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 654	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 17
	<b>DOSE:</b> 2.0 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202683

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Liver
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**OBSERVATIONS**

* Kidney		Mineralization	Minimal
* Lung		Edema	Mild
	Alveolus	Hemorrhage	Mild

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Note: Fibrin-rich edema fluid.

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20005-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:23:14  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 655

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 2.0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0202684

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Adrenal Medulla

\* Brain

\* Kidney

**OBSERVATIONS**

\* Liver

Inflammation

Chronic Active, Focal, Minimal

\* Lung

Alveolus

Hemorrhage

Minimal

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Interstitialium

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE