

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

C Number:	C99037
Lock Date:	01/24/2002
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB446M-1

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex	* Brain, Hippocampus	* Brain, Piriform Cortex	* Peripheral Nerve, Sciatic
* Peripheral Nerve, Tibial	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB446M-2

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex	* Brain, Hippocampus	* Brain, Piriform Cortex	* Peripheral Nerve, Sciatic
* Peripheral Nerve, Tibial	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB446M-3

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex	* Brain, Hippocampus	* Brain, Piriform Cortex	* Peripheral Nerve, Sciatic
* Peripheral Nerve, Tibial	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB446M-4

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex	* Brain, Hippocampus	* Brain, Piriform Cortex	* Peripheral Nerve, Sciatic
* Peripheral Nerve, Tibial	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 9	TRT#: 2	SEX: Male	DAY ON TEST: 17
	DOSE: 1.0 MG/KG	DISP: Terminal Sacrifice	HISTO:

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

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:51:26

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 10

TRT#: 2

DOSE: 1.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 11

TRT#: 2

DOSE: 1.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 12

TRT#: 2

DOSE: 1.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 17

TRT#: 3

DOSE: 3.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 18

TRT#: 3

DOSE: 3.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 19

TRT#: 3

DOSE: 3.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 20

TRT#: 3

DOSE: 3.0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 25

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 26

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 27

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 28

TRT#: 4

SEX: Male

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 33

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-33

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 34

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-34

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 35

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-35

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 36

TRT#: 5

SEX: Male

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-36

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/20/2014

Time Report Requested: 16:51:26

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 41

TRT#: 6

SEX: Male

DAY ON TEST: 8

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: MB446M-41

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain, NOS	Epididymis	Esophagus
Eye	Gallbladder	Harderian Gland	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Nose	Pancreas	Peripheral Nerve, Sciatic
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord, Cervical
Spinal Cord, Lumbar	Spleen	Stomach, Forestomach	Stomach, Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Esophagus
Note: slide 3.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 42	TRT#: 6	SEX: Male	DAY ON TEST: 8
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: MB446M-42

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain, NOS	Epididymis	Esophagus
Eye	Gallbladder	Harderian Gland	Heart
Intestine Large, Colon	Intestine Large, Rectum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve, Sciatic
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord, Cervical
Spinal Cord, Lumbar	Spleen	Stomach, Forestomach	Stomach, Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large, Cecum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
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INSUFFICIENT TISSUE

Larynx

OBSERVATIONS

Eye
Note: no optic nerve in sections

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 43

TRT#: 6

SEX: Male

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-43

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 44	TRT#: 6	SEX: Male	DAY ON TEST: 9
	DOSE: 100 MG/KG	DISP: Natural Death	HISTO: MB446M-44

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain, NOS	Epididymis	Esophagus
Eye	Gallbladder	Harderian Gland	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Nose
Pancreas	Peripheral Nerve, Sciatic	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord, Cervical	Spinal Cord, Lumbar	Spleen	Stomach, Forestomach
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Intestine Small, Jejunum	Stomach, Glandular
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INSUFFICIENT TISSUE

Larynx	Pituitary Gland	Urinary Bladder
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 5	TRT#: 7	SEX: Female	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB446M-5

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex	* Brain, Hippocampus	* Brain, Piriform Cortex	* Peripheral Nerve, Sciatic
* Peripheral Nerve, Tibial	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 6	TRT#: 7	SEX: Female	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB446M-6

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex	* Brain, Hippocampus	* Brain, Piriform Cortex	* Peripheral Nerve, Sciatic
* Peripheral Nerve, Tibial	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 7	TRT#: 7	SEX: Female	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB446M-7

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex	* Brain, Hippocampus	* Brain, Piriform Cortex	* Peripheral Nerve, Sciatic
* Peripheral Nerve, Tibial	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 8	TRT#: 7	SEX: Female	DAY ON TEST: 17
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: MB446M-8

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex	* Brain, Hippocampus	* Brain, Piriform Cortex	* Peripheral Nerve, Sciatic
* Peripheral Nerve, Tibial	* Spinal Cord, Cervical	* Spinal Cord, Lumbar	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 13

TRT#: 8

SEX: Female

DAY ON TEST: 17

DOSE: 1.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 14

TRT#: 8

DOSE: 1.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 15

TRT#: 8

DOSE: 1.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 16

TRT#: 8

DOSE: 1.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 21

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 22

TRT#: 9

DOSE: 3.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 23

TRT#: 9

SEX: Female

DAY ON TEST: 17

DOSE: 3.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 24

TRT#: 9

DOSE: 3.0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 17

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 29

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 30

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 31

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 32

TRT#: 10

SEX: Female

DAY ON TEST: 17

DOSE: 10.0 MG/KG

DISP: Terminal Sacrifice

HISTO:

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 37

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-37

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 38

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-38

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 39

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-39

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 40

TRT#: 11

SEX: Female

DAY ON TEST: 17

DOSE: 30.0 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-40

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 45

TRT#: 12

SEX: Female

DAY ON TEST: 5

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: MB446M-45

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone

MISSING

Spleen

AUTO PRECLUDES DIAG.

Adrenal Cortex

Adrenal Medulla

Blood Vessel

Bone Marrow

Brain, NOS

Clitoral Gland

Esophagus

Eye

Gallbladder

Harderian Gland

Heart

Intestine Large, Cecum

Intestine Large, Colon

Intestine Large, Rectum

Intestine Small, Duodenum

Intestine Small, Ileum

Intestine Small, Jejunum

Islets, Pancreatic

Kidney

Larynx

Liver

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Peripheral Nerve, Sciatic

Pituitary Gland

Salivary Glands

Skeletal Muscle

Skin

Spinal Cord, Cervical

Spinal Cord, Lumbar

Stomach, Forestomach

Stomach, Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Larynx

Note: slide 3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 46

TRT#: 12

SEX: Female

DAY ON TEST: 9

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: MB446M-46

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Blood Vessel	Bone
Bone Marrow	Brain, NOS	Clitoral Gland	Esophagus
Eye	Gallbladder	Harderian Gland	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Nose
Ovary	Pancreas	Peripheral Nerve, Sciatic	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord, Cervical
Spinal Cord, Lumbar	Spleen	Stomach, Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Intestine Small, Jejunum	Stomach, Glandular
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INSUFFICIENT TISSUE

Larynx

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 47

TRT#: 12

SEX: Female

DAY ON TEST: 17

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: MB446M-47

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain, Entorhinal Cortex

* Brain, Hippocampus

* Brain, Piriform Cortex

* Peripheral Nerve, Sciatic

* Peripheral Nerve, Tibial

* Spinal Cord, Cervical

* Spinal Cord, Lumbar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99037-97
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:51:26
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 48

TRT#: 12

SEX: Female

DAY ON TEST: 10

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: MB446M-48

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla	Blood Vessel	Bone	Bone Marrow
Brain, NOS	Esophagus	Eye	Gallbladder
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Peripheral Nerve, Sciatic	Salivary Glands	Skeletal Muscle
Spinal Cord, Cervical	Spinal Cord, Lumbar	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Lung

INSUFFICIENT TISSUE

Larynx	Pituitary Gland
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OBSERVATIONS

Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
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Eye

Note: no optic nerve in sections

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE