

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

F1_Rev.2_M3 Untreated + High Dose

NTP Study Number: C20316
Lock Date: 03/06/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include 001 UNTREATED Include 002 UNTREATED Include 013 100 %
Include 014 100 %
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF CEDARWOOD OIL

MALE MICE

Organ

Bone Marrow: Myeloid Cell

Kidney

Liver

Liver: Hepatocyte

Lymph Node, Mandibular

Skin: Hair Follicle, Site of Application

Skin: Sebaceous Gland, Site of Application

Skin: Site of Application - Dermis

Skin: Site of Application - Epidermis

Skin: Site of Application

Spleen

Thymus

Thyroid Gland: Follicle

FEMALE MICE

Organ

Bone Marrow: Myeloid Cell

Kidney

Liver: Hepatocyte

Lymph Node, Mandibular

Skin: Hair Follicle, Site of Application

Skin: Sebaceous Gland, Site of Application

Skin: Site of Application - Dermis

Skin: Site of Application - Epidermis

Skin: Site of Application

Spleen

Morphology

Hyperplasia

Nephropathy

Inflammation Chronic

Necrosis Focal

Depletion Glycogen

Hyperplasia Lymphoid

Hyperplasia

Hyperplasia

Fibrosis

Hyperkeratosis

Hyperplasia

Ulcer

Inflammation Chronic

Hematopoietic Cell Proliferation

Atrophy

Degeneration

Morphology

Hyperplasia

Inflammation Chronic

Depletion Glycogen

Hyperplasia Lymphoid

Dilatation

Hyperplasia

Hyperplasia

Fibrosis

Hyperkeratosis

Hyperplasia

Ulcer

Inflammation Chronic

Hematopoietic Cell Proliferation

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF CEDARWOOD OIL

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Adrenal Cortex

Accessory Adrenal Cortical Nodule

LESION RATES

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/3.40
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---

STATISTICAL TESTS

POLY 3	P=0.671N
POLY 1.5	P=0.601N
POLY 6	P=0.733N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.365N

Experiment Number: 20316 - 02

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Bone Marrow: Myeloid Cell
Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

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Route: SKIN APPLICATION

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Kidney
Inflammation Chronic**

LESION RATES

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/4.06
POLY-3 PERCENT (g)	0%	24.7%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P=0.341
POLY 1.5	P=0.409
POLY 6	P=0.276
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.146

Experiment Number: 20316 - 02
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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
------	-----------	-------

Kidney
Nephropathy

LESION RATES

OVERALL (a)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	5/6.69
POLY-3 PERCENT (g)	0%	74.7%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P=0.016*
MAX-ISO-POLY-3	P<0.001**

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Species/Strain: MICE/B6C3F1

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver
Infarct

LESION RATES

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/4.07
POLY-3 PERCENT (g)	0%	24.6%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P=0.342
POLY 1.5	P=0.409
POLY 6	P=0.276
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.146

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver
Inflammation Chronic

LESION RATES

OVERALL (a)	8/10 (80%)	1/10 (10%)
POLY-3 RATE (b)	8/10.00	1/4.06
POLY-3 PERCENT (g)	80%	24.7%
TERMINAL (d)	8/10 (80%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	65

STATISTICAL TESTS

POLY 3	P=0.082N
POLY 1.5	P=0.007N**
POLY 6	P=0.488N
COCH-ARM / FISHERS	P=0.003N**
MAX-ISO-POLY-3	P=0.060N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver
Necrosis Focal

LESION RATES

OVERALL (a)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	2/4.72
POLY-3 PERCENT (g)	0%	42.4%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P=0.091
POLY 1.5	P=0.139
POLY 6	P=0.055
COCH-ARM / FISHERS	P=0.237
MAX-ISO-POLY-3	P=0.050*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver: Hepatocyte
Depletion Glycogen

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

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TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver: Hepatocyte
Necrosis

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.40
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

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TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
------	-----------	-------

Lung
Metaplasia Osseous

LESION RATES

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/3.40
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---

STATISTICAL TESTS

POLY 3	P=0.671N
POLY 1.5	P=0.601N
POLY 6	P=0.733N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.365N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Lymph Node, Mandibular
Hyperplasia Lymphoid**

LESION RATES

OVERALL (a)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	8/8.68
POLY-3 PERCENT (g)	0%	92.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	P<0.001**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Lymph Node: Axillary
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/0 (0%)	9/9 (100%)
POLY-3 RATE (b)	0/0.00	9/9.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
COCH-ARM / FISHERS	(e)
MAX-ISO-POLY-3	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
------	-----------	-------

Parathyroid Gland
Cyst

LESION RATES

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/4.06
POLY-3 PERCENT (g)	0%	24.7%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P=0.341
POLY 1.5	P=0.409
POLY 6	P=0.276
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.146

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Salivary Glands
Inflammation Chronic

LESION RATES

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/3.40
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---

STATISTICAL TESTS

POLY 3	P=0.671N
POLY 1.5	P=0.601N
POLY 6	P=0.733N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.365N

Experiment Number: 20316 - 02

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Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Skin: Hair Follicle, Site of Application
Dilatation**

LESION RATES

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/4.06
POLY-3 PERCENT (g)	0%	24.7%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P=0.341
POLY 1.5	P=0.409
POLY 6	P=0.276
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.146

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Skin: Hair Follicle, Site of Application
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

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Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Skin: Sebaceous Gland, Site of Application
Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Skin: Site of Application - Dermis

Fibrosis

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

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Cedarwood oil

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Skin: Site of Application - Epidermis
Hyperkeratosis

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Skin: Site of Application - Epidermis
Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Skin: Site of Application - Epidermis

Ulcer

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
------	-----------	-------

Skin: Site of Application
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
------	-----------	-------

Spleen
Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
------	-----------	-------

Spleen
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.40
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
------	-----------	-------

Thymus
Atrophy

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	64

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Thyroid Gland
Ectopic Thymus

LESION RATES

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/3.40
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---

STATISTICAL TESTS

POLY 3	P=0.671N
POLY 1.5	P=0.601N
POLY 6	P=0.733N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.365N

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Males

DOSE	UNTREATED	100 %
------	-----------	-------

Thyroid Gland: Follicle
Degeneration

LESION RATES

OVERALL (a)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	2/4.72
POLY-3 PERCENT (g)	0%	42.4%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P=0.091
POLY 1.5	P=0.139
POLY 6	P=0.055
COCH-ARM / FISHERS	P=0.237
MAX-ISO-POLY-3	P=0.050*

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Adrenal Cortex
Accessory Adrenal Cortical Nodule

LESION RATES

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/3.56
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---

STATISTICAL TESTS

POLY 3	P=0.666N
POLY 1.5	P=0.597N
POLY 6	P=0.730N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.358N

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Bone Marrow: Myeloid Cell
Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Kidney
Inflammation Chronic**

LESION RATES

OVERALL (a)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	2/4.84
POLY-3 PERCENT (g)	0%	41.3%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	66

STATISTICAL TESTS

POLY 3	P=0.094
POLY 1.5	P=0.142
POLY 6	P=0.057
COCH-ARM / FISHERS	P=0.237
MAX-ISO-POLY-3	P=0.050*

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Kidney
Nephropathy**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.56
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver
Infarct

LESION RATES

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/4.20
POLY-3 PERCENT (g)	0%	23.8%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	66

STATISTICAL TESTS

POLY 3	P=0.346
POLY 1.5	P=0.412
POLY 6	P=0.279
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.147

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver
Inflammation Chronic

LESION RATES

OVERALL (a)	10/10 (100%)	8/10 (80%)
POLY-3 RATE (b)	10/10.00	8/8.72
POLY-3 PERCENT (g)	100%	91.8%
TERMINAL (d)	10/10 (100%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	65

STATISTICAL TESTS

POLY 3	P=0.678N
POLY 1.5	P=0.384N
POLY 6	P=1.000N
COCH-ARM / FISHERS	P=0.237N
MAX-ISO-POLY-3	P=0.079N

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver
Necrosis Focal

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.56
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
------	-----------	-------

Liver: Hepatocyte
Depletion Glycogen

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Liver: Hepatocyte
Necrosis

LESION RATES

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/4.20
POLY-3 PERCENT (g)	0%	23.8%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	66

STATISTICAL TESTS

POLY 3	P=0.346
POLY 1.5	P=0.412
POLY 6	P=0.279
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.147

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Lung
Metaplasia Osseous

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.56
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Lymph Node, Mandibular
Hyperplasia Lymphoid**

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Lymph Node: Axillary
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/0 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/0.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
COCH-ARM / FISHERS	(e)
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
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First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Parathyroid Gland
Cyst

LESION RATES

OVERALL (a)	0/9 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/9.00	0/3.20
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Salivary Glands
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.56
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

**Skin: Hair Follicle, Site of Application
Dilatation**

LESION RATES

OVERALL (a)	0/10 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	3/5.49
POLY-3 PERCENT (g)	0%	54.7%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	66

STATISTICAL TESTS

POLY 3	P=0.019*
POLY 1.5	P=0.042*
POLY 6	P=0.007**
COCH-ARM / FISHERS	P=0.105
MAX-ISO-POLY-3	P=0.012*

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Skin: Hair Follicle, Site of Application
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Skin: Sebaceous Gland, Site of Application
Hyperplasia

LESION RATES

OVERALL (a)	1/10 (10%)	10/10 (100%)
POLY-3 RATE (b)	1/10.00	10/10.00
POLY-3 PERCENT (g)	10%	100%
TERMINAL (d)	1/10 (10%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	P<0.001**

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
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Skin: Site of Application - Dermis

Fibrosis

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
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Skin: Site of Application - Epidermis
Hyperkeratosis

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
------	-----------	-------

Skin: Site of Application - Epidermis
Hyperplasia

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Skin: Site of Application - Epidermis

Ulcer

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
Time Report Requested: 14:16:04
First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Skin: Site of Application
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 14:16:04

First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Spleen
Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	4/10 (40%)	10/10 (100%)
POLY-3 RATE (b)	4/10.00	10/10.00
POLY-3 PERCENT (g)	40%	100%
TERMINAL (d)	4/10 (40%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	65

STATISTICAL TESTS

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P=0.005**
MAX-ISO-POLY-3	P<0.001**

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
------	-----------	-------

Spleen
Inflammation Chronic

LESION RATES

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/3.56
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---

STATISTICAL TESTS

POLY 3	P=0.666N
POLY 1.5	P=0.597N
POLY 6	P=0.730N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.358N

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016
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First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Thymus
Atrophy

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.56
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Cedarwood oil
CAS Number: 8000-27-9

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First Dose M/F: 06/14/05 / 06/13/05
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Thyroid Gland
Ectopic Thymus

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.56
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Thyroid Gland: Follicle
Degeneration

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/3.56
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

STATISTICAL TESTS

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(n)

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

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First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS**

Females

DOSE	UNTREATED	100 %
-------------	------------------	--------------

Uterus: Endometrium
Hyperplasia Cystic

LESION RATES

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/3.56
POLY-3 PERCENT (g)	10%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---

STATISTICAL TESTS

POLY 3	P=0.666N
POLY 1.5	P=0.597N
POLY 6	P=0.730N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.358N

Experiment Number: 20316 - 02

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

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First Dose M/F: 06/14/05 / 06/13/05

Lab: BAT

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***