

**Experiment Number:** 99020-04  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:15:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C99020
<b>Lock Date:</b>	09/17/2002
<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

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**Lab:** BAT

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

**MALE MOUSE**

**Organ**

Liver

**FEMALE MOUSE**

**Organ**

Liver

**Morphology**

Inflammation Chronic

**Morphology**

Inflammation Chronic

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Adrenal Cortex: Subcapsular Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	4/10.00	0/0.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	40%	0%	0%	0%	0%	20%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	95(T)	---	---	---	---	95(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.318N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.318N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.318N
COCH-ARM / FISHERS	P=0.232N	(e)	(e)	(e)	(e)	P=0.314N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.172N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Kidney: Cortex</b>						
<b>Cyst</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
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 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Kidney: Renal Tubule</b>						
<b>Casts Protein</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	95(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.075N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
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 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Kidney: Renal Tubule Regeneration</b>						
<b>LESION RATES</b>						
OVERALL(a)	2/10 (20%)	0/10 (0%)	3/10 (30%)	4/10 (40%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	2/10.00	0/10.00	3/10.00	4/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	20%	0%	30%	40%	0%	10%
TERMINAL (d)	2/10 (20%)	0/10 (0%)	3/10 (30%)	4/10 (40%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	95(T)	---	95(T)	95(T)	---	95(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.264N	P=0.227N	P=0.500	P=0.318	P=0.227N	P=0.500N
POLY 1.5	P=0.264N	P=0.227N	P=0.500	P=0.318	P=0.227N	P=0.500N
POLY 6	P=0.264N	P=0.227N	P=0.500	P=0.318	P=0.227N	P=0.500N
COCH-ARM / FISHERS	P=0.271N	P=0.237N	P=0.500	P=0.314	P=0.237N	P=0.500N
MAX-ISO-POLY-3	P=0.254N	P=0.067N	P=0.311	P=0.172	P=0.067N	P=0.274N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Liver</b>						
<b>Basophilic Focus</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	95(T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.584	(e)	(e)	(e)	P=0.500	(e)
POLY 1.5	P=0.584	(e)	(e)	(e)	P=0.500	(e)
POLY 6	P=0.584	(e)	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.585	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.356	(e)	(e)	(e)	P=0.159	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Liver</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	8/10 (80%)	8/10 (80%)	8/10 (80%)	6/10 (60%)	7/10 (70%)	4/10 (40%)
POLY-3 RATE (b)	8/10.00	8/10.00	8/10.00	6/10.00	7/10.00	4/10.00
POLY-3 PERCENT (g)	80%	80%	80%	60%	70%	40%
TERMINAL (d)	8/10 (80%)	8/10 (80%)	8/10 (80%)	6/10 (60%)	7/10 (70%)	4/10 (40%)
FIRST INCIDENCE	95(T)	95(T)	95(T)	95(T)	95(T)	95(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.022N*	P=0.702	P=0.702	P=0.318N	P=0.500N	P=0.077N
POLY 1.5	P=0.022N*	P=0.702	P=0.702	P=0.318N	P=0.500N	P=0.077N
POLY 6	P=0.022N*	P=0.702	P=0.702	P=0.318N	P=0.500N	P=0.077N
COCH-ARM / FISHERS	P=0.022N*	P=0.709N	P=0.709N	P=0.314N	P=0.500N	P=0.085N
MAX-ISO-POLY-3	P=0.039N*	P=1.000	P=1.000	P=0.172N	P=0.311N	P=0.029N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



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 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Liver</b>						
<b>Tension Lipidosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Lung</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/9 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/9.00	0/10.00	0/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	10%	0%
TERMINAL (d)	1/10 (10%)	0/9 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	95(T)	---	---	---	95(T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.578N	P=0.521N	P=0.500N	P=0.500N	P=0.760	P=0.500N
POLY 1.5	P=0.578N	P=0.521N	P=0.500N	P=0.500N	P=0.760	P=0.500N
POLY 6	P=0.578N	P=0.521N	P=0.500N	P=0.500N	P=0.760	P=0.500N
COCH-ARM / FISHERS	P=0.579N	P=0.526N	P=0.500N	P=0.500N	P=0.763N	P=0.500N
MAX-ISO-POLY-3	P=0.206N	P=0.179N	P=0.159N	P=0.159N	P=1.000	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Thyroid Gland</b>						
<b>Ectopic Thymus</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Urinary Bladder</b>						
<b>Infiltration Cellular Lymphoid</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	95(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Adrenal Cortex: Subcapsular Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	10/10 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	10/10 (100%)
POLY-3 RATE (b)	10/10.00	0/0.00	0/0.00	0/0.00	0/0.00	10/10.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	0%	100%
TERMINAL (d)	10/10 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	10/10 (100%)
FIRST INCIDENCE	95(T)	---	---	---	---	95(T)
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Kidney: Cortex</b>						
<b>Cyst</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	95(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.075N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Kidney: Renal Tubule</b>						
<b>Casts Protein</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	1/10 (10%)	2/10 (20%)	0/10 (0%)	2/10 (20%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	1/10.00	2/10.00	0/10.00	2/10.00	1/10.00
POLY-3 PERCENT (g)	10%	10%	20%	0%	20%	10%
TERMINAL (d)	1/10 (10%)	1/10 (10%)	2/10 (20%)	0/10 (0%)	2/10 (20%)	1/10 (10%)
FIRST INCIDENCE	95(T)	95(T)	95(T)	---	95(T)	95(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.589	P=0.760	P=0.500	P=0.500N	P=0.500	P=0.760
POLY 1.5	P=0.589	P=0.760	P=0.500	P=0.500N	P=0.500	P=0.760
POLY 6	P=0.589	P=0.760	P=0.500	P=0.500N	P=0.500	P=0.760
COCH-ARM / FISHERS	P=0.592	P=0.763N	P=0.500	P=0.500N	P=0.500	P=0.763N
MAX-ISO-POLY-3	P=0.655	P=1.000	P=0.274	P=0.159N	P=0.274	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Kidney: Renal Tubule Regeneration</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	95(T)	---	---	---	---	95(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.415	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.760
POLY 1.5	P=0.415	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.760
POLY 6	P=0.415	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.760
COCH-ARM / FISHERS	P=0.414	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.763N
MAX-ISO-POLY-3	P=0.300	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Liver</b>						
<b>Basophilic Focus</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Liver</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	7/10 (70%)	8/10 (80%)
POLY-3 RATE (b)	10/10.00	10/10.00	10/10.00	10/10.00	7/10.00	8/10.00
POLY-3 PERCENT (g)	100%	100%	100%	100%	70%	80%
TERMINAL (d)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	7/10 (70%)	8/10 (80%)
FIRST INCIDENCE	95(T)	95(T)	95(T)	95(T)	95(T)	95(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.009N**	(e)	(e)	(e)	P=0.095N	P=0.227N
POLY 1.5	P=0.009N**	(e)	(e)	(e)	P=0.095N	P=0.227N
POLY 6	P=0.009N**	(e)	(e)	(e)	P=0.095N	P=0.227N
COCH-ARM / FISHERS	P=0.013N*	(e)	(e)	(e)	P=0.105N	P=0.237N
MAX-ISO-POLY-3	P=0.016N*	(e)	(e)	(e)	P=0.025N*	P=0.067N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Liver</b>						
<b>Tension Lipidosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	95(T)
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.107	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	P=0.107	(e)	(e)	(e)	(e)	P=0.500
POLY 6	P=0.107	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.075	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Lung</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	2/10 (20%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/10.00	0/10.00	1/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	20%	0%	10%	10%	0%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	---	95(T)	---	95(T)	95(T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.401N	P=0.227	(e)	P=0.500	P=0.500	(e)
POLY 1.5	P=0.401N	P=0.227	(e)	P=0.500	P=0.500	(e)
POLY 6	P=0.401N	P=0.227	(e)	P=0.500	P=0.500	(e)
COCH-ARM / FISHERS	P=0.401N	P=0.237	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.343N	P=0.067	(e)	P=0.159	P=0.159	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Thyroid Gland</b>						
<b>Ectopic Thymus</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	95(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
<b>HISTCONT SAME RTE</b>						
<b>HISTCONT ALL RTES</b>						
<b>CURR VS HC SAME RTE</b>						
<b>CURR VS HC ALL RTES</b>						

Experiment Number: 99020-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Pulegone  
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014  
 Time Report Requested: 21:15:04  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Urinary Bladder</b>						
<b>Infiltration Cellular Lymphoid</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

**Experiment Number:** 99020-04  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:15:04  
**First Dose M/F:** NA / NA  
**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 \*\***