

Experiment Number: 20724 - 01
Test Type: 14-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Acetoin
CAS Number: 513-86-0

Date Report Requested: 05/19/2016
Time Report Requested: 10:29:38
First Dose M/F: 10/27/08 / 10/27/08
Lab: BNW

NTP Study Number: C20724
Lock Date: 03/04/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 3 WEEKS**

Males

DOSE	Control	800 PPM
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Lung: Perivascular
Infiltration Cellular Polymorphonuclear

LESION RATES

OVERALL (a)	1/5 (20%)	0/5 (0%)
POLY-3 RATE (b)	1/5.00	0/5.00
POLY-3 PERCENT (g)	20%	0%
TERMINAL (d)	1/5 (20%)	0/5 (0%)
FIRST INCIDENCE	17 (T)	---

STATISTICAL TESTS

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

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Males

DOSE	Control	800 PPM
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Lymph Node, Mediastinal
Infiltration Cellular Polymorphonuclear

LESION RATES

OVERALL (a)	0/5 (0%)	1/3 (33%)
POLY-3 RATE (b)	0/5.00	1/3.00
POLY-3 PERCENT (g)	0%	33.3%
TERMINAL (d)	0/5 (0%)	1/3 (33%)
FIRST INCIDENCE	---	17 (T)

STATISTICAL TESTS

POLY 3	P=0.392
POLY 1.5	P=0.392
POLY 6	P=0.392
COCH-ARM / FISHERS	P=0.375
MAX-ISO-POLY-3	P=0.109

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TERMINAL SACRIFICE AT 3 WEEKS**

Males

DOSE	Control	800 PPM
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Lymph Node: Lumbar
Pigmentation

LESION RATES

OVERALL (a)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/0 (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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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 3 WEEKS**

Females

DOSE	Control	800 PPM
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**Lung: Perivascular
Infiltration Cellular Polymorphonuclear**

LESION RATES

OVERALL (a)	0/5 (0%)	1/5 (20%)
POLY-3 RATE (b)	0/5.00	1/5.00
POLY-3 PERCENT (g)	0%	20%
TERMINAL (d)	0/5 (0%)	1/5 (20%)
FIRST INCIDENCE	---	17 (T)

STATISTICAL TESTS

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

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TERMINAL SACRIFICE AT 3 WEEKS**

Females

DOSE	Control	800 PPM
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**Lymph Node, Mediastinal
Infiltration Cellular Polymorphonuclear**

LESION RATES

OVERALL (a)	0/4 (0%)	0/5 (0%)
POLY-3 RATE (b)	0/4.00	0/5.00
POLY-3 PERCENT (g)	0%	0%
TERMINAL (d)	0/4 (0%)	0/5 (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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Females

DOSE	Control	800 PPM
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Lymph Node: Lumbar
Pigmentation

LESION RATES

OVERALL (a)	1/1 (100%)	0/0 (0%)
POLY-3 RATE (b)	1/1.00	0/0.00
POLY-3 PERCENT (g)	100%	0%
TERMINAL (d)	1/1 (100%)	0/0 (0%)
FIRST INCIDENCE	17 (T)	---

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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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 ***