

**Experiment Number:** 50215-01  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 06:47:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C50215B
<b>Lock Date:</b>	05/17/1996
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 50215-01

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**Route:** GAVAGE

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

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**Lab:** BAT

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

**MALE MOUSE**

**Organ**

Liver

**FEMALE MOUSE**

**Organ**

Liver

Stomach, Forestomach

Stomach, Forestomach: Epithelium

Thymus

**Morphology**

Inflammation Chronic

**Morphology**

Inflammation Chronic

Inflammation Chronic

Ulcer

Hyperplasia

Cyst

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

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Date Report Requested: 10/22/2014  
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 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Eye</b>						
<b>Atrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)		
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00		
POLY-3 PERCENT (g)	0%	0%	0%	0%		
INT SACRIFICE 2					(n)	(n)
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	(n)	(n)
FIRST INCIDENCE	---	---	---	---	(n)	(n)
HC TUMORS SAME ROUTE					(n)	(n)
HC TUMORS ALL ROUTES					(n)	(n)
<b>STATISTICAL TESTS</b>						
POLY 3	(n)	(n)	(n)	(n)		
POLY 1.5	(n)	(n)	(n)	(n)		
POLY 6	(n)	(n)	(n)	(n)		
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)		
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	P=2439	P=2439
HISTCONT SAME RTE	P=50215-01	P=50215-01				
HISTCONT ALL RTEs	P=Eye	P=Eye				
CURR VS HC SAME RTE	P=Atrophy	P=Atrophy				
CURR VS HC ALL RTEs	P=YES	P=YES				

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

Test Compound: Acrylonitrile  
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 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Kidney</b>						
<b>Hydronephrosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	0/1.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	63	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.736N	P=0.760N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.735N	P=0.760N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.736N	P=0.760N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.460N	P=0.500N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 50215-01  
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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Test Compound: Acrylonitrile  
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Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Kidney</b>						
<b>Inflammation</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	0/1.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	63	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.736N	P=0.760N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.735N	P=0.760N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.736N	P=0.760N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.460N	P=0.500N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Kidney</b>						
<b>Nephropathy</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/9.32	0/0.00	0/0.00	0/10.00	0/1.00	1/1.00
POLY-3 PERCENT (g)	10.7%	0%	0%	0%	0%	100%
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	1
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.486N	P=0.735N	P=0.355
POLY 1.5	(e)	(e)	(e)	P=0.491N	P=0.735N	P=0.354
POLY 6	(e)	(e)	(e)	P=0.481N	P=0.734N	P=0.356
COCH-ARM / FISHERS	P=0.627	(e)	(e)	P=0.500N	P=0.500N	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158N	P=0.457N	P=0.243
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 50215-01  
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 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Liver</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	6/10 (60%)	1/10 (10%)	7/10 (70%)
POLY-3 RATE (b)	3/9.32	0/0.00	0/0.00	6/10.00	1/2.00	7/7.00
POLY-3 PERCENT (g)	32.2%	0%	0%	60%	50%	100%
TERMINAL (d)	3/9 (33%)	0/0 (0%)	0/0 (0%)	6/10 (60%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	92(T)	1	1
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.223	P=0.582	P=0.003**
POLY 1.5	(e)	(e)	(e)	P=0.208	P=0.577	P=0.003**
POLY 6	(e)	(e)	(e)	P=0.238	P=0.588	P=0.004**
COCH-ARM / FISHERS	P=0.195	(e)	(e)	P=0.185	P=0.291N	P=0.089
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.121	P=0.416	P=0.002**
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 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Prostate Inflammation</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	0/1.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	63	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.736N	P=0.760N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.735N	P=0.760N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.736N	P=0.760N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.460N	P=0.500N
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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 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Spleen</b>						
<b>Atrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	1/2.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	50%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	63	---	---	---	4	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.417	P=0.760N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.418	P=0.760N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.417	P=0.760N
COCH-ARM / FISHERS	P=0.373N	(e)	(e)	P=0.500N	P=0.763N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.273	P=0.500N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 50215-01  
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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Spleen</b>						
<b>Hematopoietic Cell Proliferation</b>						
<b>LESION RATES</b>						
OVERALL(a)	9/10 (90%)	0/0 (0%)	0/0 (0%)	8/10 (80%)	8/10 (80%)	10/10 (100%)
POLY-3 RATE (b)	9/10.00	0/0.00	0/0.00	8/10.00	8/9.00	10/10.00
POLY-3 PERCENT (g)	90%	0%	0%	80%	88.9%	100%
TERMINAL (d)	8/9 (89%)	0/0 (0%)	0/0 (0%)	8/10 (80%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	63	---	---	92(T)	1	1
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.737N	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.737N	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.737N	P=0.500
COCH-ARM / FISHERS	P=0.334	(e)	(e)	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.274N	P=0.472N	P=0.159
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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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Spleen: Lymph Follic Necrosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00	1/2.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	50%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	63	---	---	---	4	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.417	P=0.760N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.418	P=0.760N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.417	P=0.760N
COCH-ARM / FISHERS	P=0.373N	(e)	(e)	P=0.500N	P=0.763N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N	P=0.273	P=0.500N
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 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Stomach, Forestomach</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.32	0/0.00	0/0.00	0/10.00	0/1.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (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: 50215-01  
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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 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Stomach, Forestomach</b>						
<b>Ulcer</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.32	0/0.00	0/0.00	0/10.00	0/1.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Stomach, Forestomach: Epithelium</b>						
<b>Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.32	0/0.00	0/0.00	0/10.00	0/1.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 9 WEEKS**

DOSE	MALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Thymus</b>						
<b>Cyst</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.32	0/0.00	0/0.00	0/10.00	0/1.00	0/0.00
POLY-3 PERCENT (g)	10.7%	0%	0%	0%	0%	0%
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	P=0.486N	P=0.735N	P=0.761N
POLY 1.5	(e)	(e)	(e)	P=0.491N	P=0.735N	P=0.761N
POLY 6	(e)	(e)	(e)	P=0.481N	P=0.734N	P=0.762N
COCH-ARM / FISHERS	P=0.183N	(e)	(e)	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.158N	P=0.457N	P=0.500N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Eye</b>						
<b>Atrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)
POLY-3 RATE (b)	1/1.00	0/0.00	0/0.00	0/0.00	1/1.00	0/0.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	100%	0%
TERMINAL (d)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	92(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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Kidney</b>						
<b>Hydronephrosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/7.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/7 (0%)	0/0 (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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Kidney</b>						
<b>Inflammation</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/7.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/7 (0%)	0/0 (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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Kidney</b>						
<b>Nephropathy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/7.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/7 (0%)	0/0 (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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Liver</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)	2/10 (20%)
POLY-3 RATE (b)	7/10.00	0/0.00	0/0.00	0/0.00	4/9.00	2/2.00
POLY-3 PERCENT (g)	70%	0%	0%	0%	44.4%	100%
TERMINAL (d)	7/10 (70%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/7 (29%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	1	1
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	P=0.259N	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	P=0.259N	P=0.503
POLY 6	(e)	(e)	(e)	(e)	P=0.259N	P=0.500
COCH-ARM / FISHERS	P=0.017N*	(e)	(e)	(e)	P=0.185N	P=0.035N*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.148N	P=0.351
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Spleen</b>						
<b>Atrophy</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/7.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/7 (0%)	0/0 (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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Spleen</b>						
<b>Hematopoietic Cell Proliferation</b>						
<b>LESION RATES</b>						
OVERALL(a)	10/10 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	10/10.00	0/0.00	0/0.00	0/0.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	100%	100%
TERMINAL (d)	10/10 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	7/7 (100%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	1	1
<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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Spleen: Lymph Follic Necrosis</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/7.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/7 (0%)	0/0 (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: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Stomach, Forestomach</b>						
<b>Inflammation Chronic</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	4/7.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	57.1%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/7 (57%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	92(T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	(e)	(e)	P=0.007**	(e)
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.007**	(e)
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.007**	(e)
COCH-ARM / FISHERS	P=0.071	(e)	(e)	(e)	P=0.043*	(e)
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.003**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						



Experiment Number: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Stomach, Forestomach Ulcer</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/7.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	28.6%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/7 (29%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	92(T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.007**	(e)	(e)	(e)	P=0.150	(e)
POLY 1.5	P=0.007**	(e)	(e)	(e)	P=0.150	(e)
POLY 6	P=0.007**	(e)	(e)	(e)	P=0.150	(e)
COCH-ARM / FISHERS	P=0.198	(e)	(e)	(e)	P=0.237	(e)
MAX-ISO-POLY-3	P=0.013*	(e)	(e)	(e)	P=0.060	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
<b>Stomach, Forestomach: Epithelium</b>						
<b>Hyperplasia</b>						
<b>LESION RATES</b>						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	5/7.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	71.4%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/7 (71%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	92(T)	---
<b>STATISTICAL TESTS</b>						
POLY 3	P=0.000**	(e)	(e)	(e)	P=0.000**	(e)
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.000**	(e)
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.000**	(e)
COCH-ARM / FISHERS	P=0.044*	(e)	(e)	(e)	P=0.016*	(e)
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 50215-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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

Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/22/2014  
 Time Report Requested: 06:47:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MOUSE(B6C3F1)  
 LAST REMOVAL AT 1 WEEKS**

DOSE	FEMALE					
	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
Thymus						
Cyst						
<b>LESION RATES</b>						
OVERALL(a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/7.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/7 (0%)	0/0 (0%)
FIRST INCIDENCE	92(T)	---	---	---	---	---
<b>STATISTICAL TESTS</b>						
POLY 3	(e)	(e)	(e)	(e)	P=0.318N	P=0.702N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.318N	P=0.701N
POLY 6	(e)	(e)	(e)	(e)	P=0.318N	P=0.702N
COCH-ARM / FISHERS	P=0.048N*	(e)	(e)	(e)	P=0.237N	P=0.237N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.150N	P=0.500N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

**Experiment Number:** 50215-01  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 06:47:43  
**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 \*\***