

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

NTP Study Number: C20116B
Lock Date: Not Entered.
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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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF ALOE VERA WHOLE LEAF EXTRACT (NATIVE)

MALE RATS

Organ

Bone Marrow
Epididymis
Heart
Intestine Large, Cecum
Intestine Large, Cecum: Goblet Cell
Intestine Large, Colon
Intestine Large, Colon: Goblet Cell
Intestine Large, Rectum: Anus

Intestine Large, Rectum: Goblet Cell
Kidney
Liver
Seminal Vesicle
Testes
Thymus

Morphology

Hypocellularity
Hypospermia
Cardiomyopathy
Infiltration Cellular Polymorphonuclear
Hyperplasia
Infiltration Cellular Polymorphonuclear
Hyperplasia
Hyperplasia
Hyperplasia
Inflammation Chronic
Hyperplasia
Nephropathy Chronic
Vacuolization Cytoplasmic
Hypoplasia
Hypoplasia
Atrophy

FEMALE RATS

Organ

Bone Marrow
Clitoral Gland

Intestine Large, Cecum
Intestine Large, Cecum: Goblet Cell
Intestine Large, Colon
Intestine Large, Colon: Goblet Cell
Intestine Large, Rectum: Goblet Cell
Kidney
Kidney: Renal Tubule
Ovary
Thymus
Uterus
Uterus: Lumen

Morphology

Hypocellularity
Infiltration Cellular Lymphoid
Inflammation
Infiltration Cellular Polymorphonuclear
Hyperplasia
Infiltration Cellular Polymorphonuclear
Hyperplasia
Hyperplasia
Hyperplasia
Nephropathy Chronic
Mineralization
Hypoplasia
Atrophy
Hypoplasia
Dilatation

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Bone Marrow Hypocellularity				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	2/12 (17%)	4/12 (33%)
POLY-3 RATE (b)	0/12.00	0/0.00	2/12.00	4/11.04
POLY-3 PERCENT (g)	0%	0%	16.7%	36.2%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	46	31
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.229	P=0.030*
POLY 1.5	(e)	(e)	P=0.229	P=0.031*
POLY 6	(e)	(e)	P=0.229	P=0.029*
COCH-ARM / FISHERS	P=0.024*	(e)	P=0.239	P=0.047*
MAX-ISO-POLY-3	(e)	(e)	P=0.068	P=0.009**

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Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Coagulating Gland Hypoplasia				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	3/3 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	3/3.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	34
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Epididymis				
Hypospermia				
<hr/>				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	3/12 (25%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/10.34	3/10.08
POLY-3 PERCENT (g)	0%	0%	0%	29.8%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	31
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.071
POLY 1.5	(e)	(e)	(e)	P=0.075
POLY 6	(e)	(e)	(e)	P=0.070
COCH-ARM / FISHERS	P=0.045*	(e)	(e)	P=0.109
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.025*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Harderian Gland Infiltration Cellular Lymphoid				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	1/12 (8%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	1/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	9.7%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	1/10 (10%)	0/7 (0%)
FIRST INCIDENCE	---	---	100 (T)	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.470	(e)
POLY 1.5	(e)	(e)	P=0.479	(e)
POLY 6	(e)	(e)	P=0.465	(e)
COCH-ARM / FISHERS	P=0.554	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.157	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Heart				
Cardiomyopathy				
<hr/>				
LESION RATES				
OVERALL (a)	4/12 (33%)	0/0 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	4/12.00	0/0.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	33.3%	0%	0%	0%
TERMINAL (d)	4/12 (33%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	100 (T)	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.058N	P=0.134N
POLY 1.5	(e)	(e)	P=0.052N	P=0.108N
POLY 6	(e)	(e)	P=0.063N	P=0.140N
COCH-ARM / FISHERS	P=0.004N**	(e)	P=0.047N*	P=0.047N*
MAX-ISO-POLY-3	(e)	(e)	P=0.022N*	P=0.084N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Heart				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

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TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Heart				
Polyarteritis				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Cecum Infiltration Cellular Polymorphonuclear				
LESION RATES				
OVERALL (a)	0/12 (0%)	1/11 (9%)	4/12 (33%)	3/12 (25%)
POLY-3 RATE (b)	0/12.00	1/11.00	4/10.34	3/7.18
POLY-3 PERCENT (g)	0%	9.1%	38.7%	41.8%
TERMINAL (d)	0/12 (0%)	1/11 (9%)	4/10 (40%)	3/7 (43%)
FIRST INCIDENCE	---	100 (T)	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.004**	P=0.483	P=0.023*	P=0.033*
POLY 1.5	P=0.006**	P=0.483	P=0.027*	P=0.041*
POLY 6	P=0.004**	P=0.483	P=0.021*	P=0.031*
COCH-ARM / FISHERS	P=0.031*	P=0.478	P=0.047*	P=0.109
MAX-ISO-POLY-3	P=0.004**	P=0.152	P=0.008**	P=0.019*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Cecum: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	6/11 (55%)	11/12 (92%)	8/12 (67%)
POLY-3 RATE (b)	0/12.00	6/11.00	11/11.10	8/8.14
POLY-3 PERCENT (g)	0%	54.6%	99.1%	98.3%
TERMINAL (d)	0/12 (0%)	6/11 (55%)	10/10 (100%)	7/7 (100%)
FIRST INCIDENCE	---	100 (T)	62	34
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.005**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Colon Infiltration Cellular Lymphoid				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/11 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/11.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/11 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

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 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Colon				
Infiltration Cellular Polymorphonuclear				
LESION RATES				
OVERALL (a)	0/12 (0%)	4/11 (36%)	4/12 (33%)	3/12 (25%)
POLY-3 RATE (b)	0/12.00	4/11.00	4/10.34	3/7.18
POLY-3 PERCENT (g)	0%	36.4%	38.7%	41.8%
TERMINAL (d)	0/12 (0%)	4/11 (36%)	4/10 (40%)	3/7 (43%)
FIRST INCIDENCE	---	100 (T)	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.017*	P=0.029*	P=0.023*	P=0.033*
POLY 1.5	P=0.026*	P=0.029*	P=0.027*	P=0.041*
POLY 6	P=0.015*	P=0.029*	P=0.021*	P=0.031*
COCH-ARM / FISHERS	P=0.118	P=0.037*	P=0.047*	P=0.109
MAX-ISO-POLY-3	P=0.017*	P=0.007**	P=0.008**	P=0.019*

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 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Colon: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	10/11 (91%)	11/12 (92%)	8/12 (67%)
POLY-3 RATE (b)	0/12.00	10/11.00	11/11.10	8/8.14
POLY-3 PERCENT (g)	0%	90.9%	99.1%	98.3%
TERMINAL (d)	0/12 (0%)	10/11 (91%)	10/10 (100%)	7/7 (100%)
FIRST INCIDENCE	---	100 (T)	62	34
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Rectum: Anus Hyperplasia				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	2/11 (18%)	3/11 (27%)
POLY-3 RATE (b)	0/10.00	0/0.00	2/9.34	3/6.18
POLY-3 PERCENT (g)	0%	0%	21.4%	48.6%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	2/9 (22%)	3/6 (50%)
FIRST INCIDENCE	---	---	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.210	P=0.032*
POLY 1.5	(e)	(e)	P=0.222	P=0.041*
POLY 6	(e)	(e)	P=0.204	P=0.030*
COCH-ARM / FISHERS	P=0.061	(e)	P=0.262	P=0.124
MAX-ISO-POLY-3	(e)	(e)	P=0.069	P=0.018*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Rectum: Anus Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	4/11 (36%)	3/11 (27%)
POLY-3 RATE (b)	0/10.00	0/0.00	4/9.34	3/6.18
POLY-3 PERCENT (g)	0%	0%	42.9%	48.6%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	4/9 (44%)	3/6 (50%)
FIRST INCIDENCE	---	---	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.026*	P=0.032*
POLY 1.5	(e)	(e)	P=0.031*	P=0.041*
POLY 6	(e)	(e)	P=0.023*	P=0.030*
COCH-ARM / FISHERS	P=0.060	(e)	P=0.055	P=0.124
MAX-ISO-POLY-3	(e)	(e)	P=0.008**	P=0.018*

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Rectum: Anus, Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/11 (9%)	0/11 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/9.34	0/6.18
POLY-3 PERCENT (g)	0%	0%	10.7%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/9 (11%)	0/6 (0%)
FIRST INCIDENCE	---	---	100 (T)	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.486	(e)
POLY 1.5	(e)	(e)	P=0.496	(e)
POLY 6	(e)	(e)	P=0.480	(e)
COCH-ARM / FISHERS	P=0.572	(e)	P=0.524	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.163	(e)

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Rectum: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	9/11 (82%)	5/11 (45%)
POLY-3 RATE (b)	0/10.00	0/0.00	9/9.34	5/7.14
POLY-3 PERCENT (g)	0%	0%	96.4%	70.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	9/9 (100%)	4/6 (67%)
FIRST INCIDENCE	---	---	100 (T)	34
STATISTICAL TESTS				
POLY 3	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	(e)	(e)	P<0.001**	P<0.001**
POLY 6	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.007**	(e)	P<0.001**	P=0.023*
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	P<0.001**

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Small, Ileum: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	1/12 (8%)	1/12 (8%)
POLY-3 RATE (b)	0/12.00	0/0.00	1/10.34	1/7.18
POLY-3 PERCENT (g)	0%	0%	9.7%	13.9%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	1/10 (10%)	1/7 (14%)
FIRST INCIDENCE	---	---	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.470	P=0.402
POLY 1.5	(e)	(e)	P=0.479	P=0.420
POLY 6	(e)	(e)	P=0.465	P=0.398
COCH-ARM / FISHERS	P=0.248	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	(e)	(e)	P=0.157	P=0.153

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Kidney				
Nephropathy Chronic				
LESION RATES				
OVERALL (a)	12/12 (100%)	11/11 (100%)	12/12 (100%)	7/12 (58%)
POLY-3 RATE (b)	12/12.00	11/11.00	12/12.00	7/7.18
POLY-3 PERCENT (g)	100%	100%	100%	97.5%
TERMINAL (d)	12/12 (100%)	11/11 (100%)	10/10 (100%)	7/7 (100%)
FIRST INCIDENCE	100 (T)	100 (T)	46	100 (T)
STATISTICAL TESTS				
POLY 3	P=1.000N	(e)	(e)	P=1.000N
POLY 1.5	P=0.048N*	(e)	(e)	P=0.375N
POLY 6	P=1.000N	(e)	(e)	P=1.000N
COCH-ARM / FISHERS	P=0.002N**	(e)	(e)	P=0.019N*
MAX-ISO-POLY-3	P<0.001N**	(e)	(e)	P=0.013N*

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Kidney: Renal Tubule Mineralization				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/11 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/11.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/11 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
Time Report Requested: 10:34:59
First Dose M/F: 11/16/03 / 11/16/03
Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Liver Deformity				
<hr/>				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/11 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/11.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/11 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	0/12 (0%)	1/11 (9%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	1/11.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	0%	9.1%	0%	0%
TERMINAL (d)	0/12 (0%)	1/11 (9%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	100 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.653N	P=0.483	(e)	(e)
POLY 1.5	P=0.620N	P=0.483	(e)	(e)
POLY 6	P=0.664N	P=0.483	(e)	(e)
COCH-ARM / FISHERS	P=0.496N	P=0.478	(e)	(e)
MAX-ISO-POLY-3	P=0.329N	P=0.152	(e)	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/12 (17%)	0/11 (0%)	0/12 (0%)	1/12 (8%)
POLY-3 RATE (b)	2/12.00	0/11.00	0/10.34	1/7.18
POLY-3 PERCENT (g)	16.7%	0%	0%	13.9%
TERMINAL (d)	2/12 (17%)	0/11 (0%)	0/10 (0%)	1/7 (14%)
FIRST INCIDENCE	100 (T)	---	---	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.319N	P=0.249N	P=0.265N	P=0.670N
POLY 1.5	P=0.314N	P=0.249N	P=0.254N	P=0.641N
POLY 6	P=0.324N	P=0.249N	P=0.272N	P=0.677N
COCH-ARM / FISHERS	P=0.292N	P=0.261N	P=0.239N	P=0.500N
MAX-ISO-POLY-3	P=0.213N	P=0.082N	P=0.101N	P=0.450N

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Liver				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	3/12 (25%)	0/11 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	3/12.00	0/11.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	25%	0%	0%	0%
TERMINAL (d)	3/12 (25%)	0/11 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	100 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.018N*	P=0.117N	P=0.130N	P=0.224N
POLY 1.5	P=0.016N*	P=0.117N	P=0.121N	P=0.195N
POLY 6	P=0.018N*	P=0.117N	P=0.136N	P=0.231N
COCH-ARM / FISHERS	P=0.016N*	P=0.124N	P=0.109N	P=0.109N
MAX-ISO-POLY-3	P=0.017N*	P=0.037N*	P=0.050N*	P=0.129N

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Lung				
Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	1/12 (8%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	1/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	9.7%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	1/10 (10%)	0/7 (0%)
FIRST INCIDENCE	---	---	100 (T)	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.470	(e)
POLY 1.5	(e)	(e)	P=0.479	(e)
POLY 6	(e)	(e)	P=0.465	(e)
COCH-ARM / FISHERS	P=0.554	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.157	(e)

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Lymph Node, Mesenteric Degeneration Cystic				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/3 (0%)	1/11 (9%)	1/12 (8%)
POLY-3 RATE (b)	0/12.00	0/3.00	1/9.34	1/7.18
POLY-3 PERCENT (g)	0%	0%	10.7%	13.9%
TERMINAL (d)	0/12 (0%)	0/3 (0%)	1/9 (11%)	1/7 (14%)
FIRST INCIDENCE	---	---	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.171	(e)	P=0.450	P=0.402
POLY 1.5	P=0.180	(e)	P=0.460	P=0.420
POLY 6	P=0.169	(e)	P=0.444	P=0.398
COCH-ARM / FISHERS	P=0.222	(e)	P=0.478	P=0.500
MAX-ISO-POLY-3	P=0.172	(e)	P=0.150	P=0.153

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Lymph Node, Mesenteric Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	9/12 (75%)	3/3 (100%)	9/11 (82%)	8/12 (67%)
POLY-3 RATE (b)	9/12.00	3/3.00	9/10.10	8/8.14
POLY-3 PERCENT (g)	75%	100%	89.1%	98.3%
TERMINAL (d)	9/12 (75%)	3/3 (100%)	8/9 (89%)	7/7 (100%)
FIRST INCIDENCE	100 (T)	100 (T)	62	34
STATISTICAL TESTS				
POLY 3	P=0.107	P=0.438	P=0.384	P=0.219
POLY 1.5	P=0.199	P=0.438	P=0.424	P=0.345
POLY 6	P=0.090	P=0.438	P=0.368	P=0.194
COCH-ARM / FISHERS	P=0.372N	P=0.484	P=0.545	P=0.500N
MAX-ISO-POLY-3	P=0.104	P=0.230	P=0.216	P=0.117

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
Time Report Requested: 10:34:59
First Dose M/F: 11/16/03 / 11/16/03
Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Lymph Node: Inguinal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	34
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
Time Report Requested: 10:34:59
First Dose M/F: 11/16/03 / 11/16/03
Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Lymph Node: Lumbar Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.04
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Pancreas: Acinus Degeneration				
LESION RATES				
OVERALL (a)	1/12 (8%)	0/0 (0%)	1/12 (8%)	0/12 (0%)
POLY-3 RATE (b)	1/12.00	0/0.00	1/10.34	0/7.18
POLY-3 PERCENT (g)	8.3%	0%	9.7%	0%
TERMINAL (d)	1/12 (8%)	0/0 (0%)	1/10 (10%)	0/7 (0%)
FIRST INCIDENCE	100 (T)	---	100 (T)	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.727	P=0.596N
POLY 1.5	(e)	(e)	P=0.737	P=0.579N
POLY 6	(e)	(e)	P=0.720	P=0.600N
COCH-ARM / FISHERS	P=0.313N	(e)	P=0.761N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	P=0.458	P=0.275N

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Preputial Gland Inflammation				
LESION RATES				
OVERALL (a)	7/12 (58%)	0/0 (0%)	9/12 (75%)	9/12 (75%)
POLY-3 RATE (b)	7/12.00	0/0.00	9/12.00	9/11.03
POLY-3 PERCENT (g)	58.3%	0%	75%	81.6%
TERMINAL (d)	7/12 (58%)	0/0 (0%)	7/10 (70%)	5/7 (71%)
FIRST INCIDENCE	100 (T)	---	46	31
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.337	P=0.227
POLY 1.5	(e)	(e)	P=0.337	P=0.242
POLY 6	(e)	(e)	P=0.337	P=0.224
COCH-ARM / FISHERS	P=0.206	(e)	P=0.333	P=0.333
MAX-ISO-POLY-3	(e)	(e)	P=0.199	P=0.125

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Prostate Inflammation				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	1/12 (8%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/10.34	1/7.18
POLY-3 PERCENT (g)	0%	0%	0%	13.9%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	1/7 (14%)
FIRST INCIDENCE	---	---	---	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.402
POLY 1.5	(e)	(e)	(e)	P=0.420
POLY 6	(e)	(e)	(e)	P=0.398
COCH-ARM / FISHERS	P=0.249	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.153

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Seminal Vesicle Hypoplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	2/12 (17%)	3/12 (25%)
POLY-3 RATE (b)	0/12.00	0/0.00	2/12.00	3/10.06
POLY-3 PERCENT (g)	0%	0%	16.7%	29.8%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	46	34
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.229	P=0.070
POLY 1.5	(e)	(e)	P=0.229	P=0.074
POLY 6	(e)	(e)	P=0.229	P=0.069
COCH-ARM / FISHERS	P=0.054	(e)	P=0.239	P=0.109
MAX-ISO-POLY-3	(e)	(e)	P=0.068	P=0.025*

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	0/12 (0%)	1/11 (9%)	1/12 (8%)	1/12 (8%)
POLY-3 RATE (b)	0/12.00	1/11.00	1/10.34	1/7.18
POLY-3 PERCENT (g)	0%	9.1%	9.7%	13.9%
TERMINAL (d)	0/12 (0%)	1/11 (9%)	1/10 (10%)	1/7 (14%)
FIRST INCIDENCE	---	100 (T)	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.219	P=0.483	P=0.470	P=0.402
POLY 1.5	P=0.233	P=0.483	P=0.479	P=0.420
POLY 6	P=0.214	P=0.483	P=0.465	P=0.398
COCH-ARM / FISHERS	P=0.304	P=0.478	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.206	P=0.152	P=0.157	P=0.153

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Spleen				
Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	1/12 (8%)	1/11 (9%)	0/12 (0%)	1/12 (8%)
POLY-3 RATE (b)	1/12.00	1/11.00	0/10.34	1/7.18
POLY-3 PERCENT (g)	8.3%	9.1%	0%	13.9%
TERMINAL (d)	1/12 (8%)	1/11 (9%)	0/10 (0%)	1/7 (14%)
FIRST INCIDENCE	100 (T)	100 (T)	---	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.578N	P=0.741	P=0.530N	P=0.635
POLY 1.5	P=0.561N	P=0.741	P=0.521N	P=0.661
POLY 6	P=0.587N	P=0.741	P=0.535N	P=0.629
COCH-ARM / FISHERS	P=0.493N	P=0.739	P=0.500N	P=0.761N
MAX-ISO-POLY-3	P=0.320	P=0.474	P=0.194N	P=0.384

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
Time Report Requested: 10:34:59
First Dose M/F: 11/16/03 / 11/16/03
Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Spleen				
Inflammation Chronic				
<hr/>				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/11 (0%)	0/12 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/12.00	0/11.00	0/10.34	0/7.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/11 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Stomach, Forestomach Hyperkeratosis				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	2/12 (17%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/10.34	2/9.12
POLY-3 PERCENT (g)	0%	0%	0%	21.9%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	31
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.169
POLY 1.5	(e)	(e)	(e)	P=0.179
POLY 6	(e)	(e)	(e)	P=0.167
COCH-ARM / FISHERS	P=0.103	(e)	(e)	P=0.239
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.064

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Testes				
Hypoplasia				
<hr/>				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	3/12 (25%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/10.34	3/10.08
POLY-3 PERCENT (g)	0%	0%	0%	29.8%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	---	31
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.071
POLY 1.5	(e)	(e)	(e)	P=0.075
POLY 6	(e)	(e)	(e)	P=0.070
COCH-ARM / FISHERS	P=0.045*	(e)	(e)	P=0.109
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.025*

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Thymus Atrophy				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	1/11 (9%)	4/12 (33%)
POLY-3 RATE (b)	0/12.00	0/0.00	1/11.00	4/11.04
POLY-3 PERCENT (g)	0%	0%	9.1%	36.2%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	---	---	62	31
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.483	P=0.030*
POLY 1.5	(e)	(e)	P=0.483	P=0.031*
POLY 6	(e)	(e)	P=0.483	P=0.029*
COCH-ARM / FISHERS	P=0.023*	(e)	P=0.478	P=0.047*
MAX-ISO-POLY-3	(e)	(e)	P=0.152	P=0.009**

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Urinary Bladder Dilatation				
LESION RATES				
OVERALL (a)	1/12 (8%)	0/0 (0%)	0/12 (0%)	2/12 (17%)
POLY-3 RATE (b)	1/12.00	0/0.00	0/10.34	2/7.18
POLY-3 PERCENT (g)	8.3%	0%	0%	27.9%
TERMINAL (d)	1/12 (8%)	0/0 (0%)	0/10 (0%)	2/7 (29%)
FIRST INCIDENCE	100 (T)	---	---	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.530N	P=0.326
POLY 1.5	(e)	(e)	P=0.521N	P=0.356
POLY 6	(e)	(e)	P=0.535N	P=0.319
COCH-ARM / FISHERS	P=0.404	(e)	P=0.500N	P=0.500
MAX-ISO-POLY-3	(e)	(e)	P=0.194N	P=0.192

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males			
	CONTROL	1% WLN	2% WLN	3% WLN
Urinary Bladder Hemorrhage				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	1/12 (8%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/10.34	1/7.18
POLY-3 PERCENT (g)	0%	0%	0%	13.9%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/10 (0%)	1/7 (14%)
FIRST INCIDENCE	---	---	---	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.402
POLY 1.5	(e)	(e)	(e)	P=0.420
POLY 6	(e)	(e)	(e)	P=0.398
COCH-ARM / FISHERS	P=0.249	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.153

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Bone Marrow Hypocellularity				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	4/12 (33%)	7/11 (64%)
POLY-3 RATE (b)	0/12.00	0/0.00	4/12.00	7/11.00
POLY-3 PERCENT (g)	0%	0%	33.3%	63.6%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	31	26
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.039*	P<0.001**
POLY 1.5	(e)	(e)	P=0.039*	P<0.001**
POLY 6	(e)	(e)	P=0.039*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.047*	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	P=0.010**	P<0.001**

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Clitoral Gland Infiltration Cellular Lymphoid				
LESION RATES				
OVERALL (a)	4/12 (33%)	0/0 (0%)	0/12 (0%)	1/11 (9%)
POLY-3 RATE (b)	4/12.00	0/0.00	0/8.19	1/5.19
POLY-3 PERCENT (g)	33.3%	0%	0%	19.3%
TERMINAL (d)	4/12 (33%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	100 (T)	---	---	31
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.102N	P=0.497N
POLY 1.5	(e)	(e)	P=0.085N	P=0.431N
POLY 6	(e)	(e)	P=0.107N	P=0.511N
COCH-ARM / FISHERS	P=0.036N*	(e)	P=0.047N*	P=0.185N
MAX-ISO-POLY-3	(e)	(e)	P=0.058N	P=0.350N

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Clitoral Gland Inflammation				
LESION RATES				
OVERALL (a)	4/12 (33%)	0/0 (0%)	6/12 (50%)	9/11 (82%)
POLY-3 RATE (b)	4/12.00	0/0.00	6/10.06	9/9.07
POLY-3 PERCENT (g)	33.3%	0%	59.6%	99.2%
TERMINAL (d)	4/12 (33%)	0/0 (0%)	4/8 (50%)	4/4 (100%)
FIRST INCIDENCE	100 (T)	---	31	26
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.214	P<0.001**
POLY 1.5	(e)	(e)	P=0.232	P<0.001**
POLY 6	(e)	(e)	P=0.210	P<0.001**
COCH-ARM / FISHERS	P=0.020*	(e)	P=0.340	P=0.026*
MAX-ISO-POLY-3	(e)	(e)	P=0.131	P<0.001**

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Clitoral Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	1/12 (8%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	1/9.16	0/4.22
POLY-3 PERCENT (g)	0%	0%	10.9%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	31	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.447	(e)
POLY 1.5	(e)	(e)	P=0.457	(e)
POLY 6	(e)	(e)	P=0.443	(e)
COCH-ARM / FISHERS	P=0.542	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.156	(e)

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Clitoral Gland: Duct Dilatation				
<hr/>				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	2/12 (17%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	2/9.16	0/4.22
POLY-3 PERCENT (g)	0%	0%	21.8%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	1/8 (13%)	0/4 (0%)
FIRST INCIDENCE	---	---	31	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.170	(e)
POLY 1.5	(e)	(e)	P=0.180	(e)
POLY 6	(e)	(e)	P=0.167	(e)
COCH-ARM / FISHERS	P=0.443	(e)	P=0.239	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.064	(e)

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Coagulating Gland Hypoplasia				
LESION RATES				
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%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Harderian Gland Infiltration Cellular Lymphoid				
LESION RATES				
OVERALL (a)	3/12 (25%)	0/0 (0%)	2/12 (17%)	0/11 (0%)
POLY-3 RATE (b)	3/12.00	0/0.00	2/8.19	0/4.22
POLY-3 PERCENT (g)	25%	0%	24.4%	0%
TERMINAL (d)	3/12 (25%)	0/0 (0%)	2/8 (25%)	0/4 (0%)
FIRST INCIDENCE	100 (T)	---	100 (T)	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.677N	P=0.374N
POLY 1.5	(e)	(e)	P=0.645N	P=0.313N
POLY 6	(e)	(e)	P=0.685N	P=0.388N
COCH-ARM / FISHERS	P=0.079N	(e)	P=0.500N	P=0.124N
MAX-ISO-POLY-3	(e)	(e)	P=0.490N	P=0.250N

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Heart				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	1/12 (8%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	1/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	12.2%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	1/8 (13%)	0/4 (0%)
FIRST INCIDENCE	---	---	100 (T)	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.425	(e)
POLY 1.5	(e)	(e)	P=0.439	(e)
POLY 6	(e)	(e)	P=0.421	(e)
COCH-ARM / FISHERS	P=0.542	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.155	(e)

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Heart Polyarteritis				
<hr/>				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	1/12 (8%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	1/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	12.2%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	1/8 (13%)	0/4 (0%)
FIRST INCIDENCE	---	---	100 (T)	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.425	(e)
POLY 1.5	(e)	(e)	P=0.439	(e)
POLY 6	(e)	(e)	P=0.421	(e)
COCH-ARM / FISHERS	P=0.542	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.155	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Cecum				
Infiltration Cellular Polymorphonuclear				
LESION RATES				
OVERALL (a)	0/12 (0%)	1/12 (8%)	0/12 (0%)	2/11 (18%)
POLY-3 RATE (b)	0/12.00	1/12.00	0/8.19	2/4.22
POLY-3 PERCENT (g)	0%	8.3%	0%	47.5%
TERMINAL (d)	0/12 (0%)	1/12 (8%)	0/8 (0%)	2/4 (50%)
FIRST INCIDENCE	---	100 (T)	---	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.145	P=0.500	(e)	P=0.071
POLY 1.5	P=0.128	P=0.500	(e)	P=0.088
POLY 6	P=0.149	P=0.500	(e)	P=0.068
COCH-ARM / FISHERS	P=0.130	P=0.500	(e)	P=0.217
MAX-ISO-POLY-3	P=0.055	P=0.159	(e)	P=0.047*

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Cecum: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	1/12 (8%)	6/12 (50%)	8/12 (67%)	4/11 (36%)
POLY-3 RATE (b)	1/12.00	6/12.00	8/8.19	4/4.22
POLY-3 PERCENT (g)	8.3%	50%	97.7%	94.9%
TERMINAL (d)	1/12 (8%)	6/12 (50%)	8/8 (100%)	4/4 (100%)
FIRST INCIDENCE	100 (T)	100 (T)	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.026*	P<0.001**	P=0.004**
POLY 1.5	P<0.001**	P=0.026*	P<0.001**	P=0.010**
POLY 6	P<0.001**	P=0.026*	P<0.001**	P=0.004**
COCH-ARM / FISHERS	P=0.066	P=0.034*	P=0.005**	P=0.131
MAX-ISO-POLY-3	P<0.001**	P=0.008**	P<0.001**	P=0.008**

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Colon Infiltration Cellular Lymphoid				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/12 (0%)	1/12 (8%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/12.00	1/9.09	0/4.22
POLY-3 PERCENT (g)	0%	0%	11%	0%
TERMINAL (d)	0/12 (0%)	0/12 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	46	---
STATISTICAL TESTS				
POLY 3	P=0.340	(e)	P=0.445	(e)
POLY 1.5	P=0.361	(e)	P=0.454	(e)
POLY 6	P=0.336	(e)	P=0.443	(e)
COCH-ARM / FISHERS	P=0.488	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.511	(e)	P=0.156	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Colon				
Infiltration Cellular Polymorphonuclear				
LESION RATES				
OVERALL (a)	0/12 (0%)	2/12 (17%)	4/12 (33%)	1/11 (9%)
POLY-3 RATE (b)	0/12.00	2/12.00	4/8.19	1/4.22
POLY-3 PERCENT (g)	0%	16.7%	48.9%	23.7%
TERMINAL (d)	0/12 (0%)	2/12 (17%)	4/8 (50%)	1/4 (25%)
FIRST INCIDENCE	---	100 (T)	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.014*	P=0.229	P=0.009**	P=0.323
POLY 1.5	P=0.025*	P=0.229	P=0.013*	P=0.350
POLY 6	P=0.013*	P=0.229	P=0.009**	P=0.318
COCH-ARM / FISHERS	P=0.206	P=0.239	P=0.047*	P=0.478
MAX-ISO-POLY-3	P=0.022*	P=0.069	P=0.005**	P=0.143

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Colon: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	8/12 (67%)	9/12 (75%)	4/11 (36%)
POLY-3 RATE (b)	0/12.00	8/12.00	9/9.09	4/4.22
POLY-3 PERCENT (g)	0%	66.7%	99%	94.9%
TERMINAL (d)	0/12 (0%)	8/12 (67%)	8/8 (100%)	4/4 (100%)
FIRST INCIDENCE	---	100 (T)	46	100 (T)
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.039*	P<0.001**	P<0.001**	P=0.037*
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Rectum: Anus Hyperplasia				
LESION RATES				
OVERALL (a)	0/11 (0%)	0/0 (0%)	2/12 (17%)	0/11 (0%)
POLY-3 RATE (b)	0/11.00	0/0.00	2/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	24.4%	0%
TERMINAL (d)	0/11 (0%)	0/0 (0%)	2/8 (25%)	0/4 (0%)
FIRST INCIDENCE	---	---	100 (T)	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.165	(e)
POLY 1.5	(e)	(e)	P=0.179	(e)
POLY 6	(e)	(e)	P=0.162	(e)
COCH-ARM / FISHERS	P=0.465	(e)	P=0.261	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.067	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Rectum: Anus Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/11 (0%)	0/0 (0%)	2/12 (17%)	1/11 (9%)
POLY-3 RATE (b)	0/11.00	0/0.00	2/8.19	1/4.22
POLY-3 PERCENT (g)	0%	0%	24.4%	23.7%
TERMINAL (d)	0/11 (0%)	0/0 (0%)	2/8 (25%)	1/4 (25%)
FIRST INCIDENCE	---	---	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.165	P=0.336
POLY 1.5	(e)	(e)	P=0.179	P=0.364
POLY 6	(e)	(e)	P=0.162	P=0.330
COCH-ARM / FISHERS	P=0.235	(e)	P=0.261	P=0.500
MAX-ISO-POLY-3	(e)	(e)	P=0.067	P=0.148

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Rectum: Anus, Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/11 (0%)	0/0 (0%)	0/12 (0%)	1/11 (9%)
POLY-3 RATE (b)	0/11.00	0/0.00	0/8.19	1/4.22
POLY-3 PERCENT (g)	0%	0%	0%	23.7%
TERMINAL (d)	0/11 (0%)	0/0 (0%)	0/8 (0%)	1/4 (25%)
FIRST INCIDENCE	---	---	---	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.336
POLY 1.5	(e)	(e)	(e)	P=0.364
POLY 6	(e)	(e)	(e)	P=0.330
COCH-ARM / FISHERS	P=0.248	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.148

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Large, Rectum: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/11 (0%)	0/0 (0%)	7/12 (58%)	3/11 (27%)
POLY-3 RATE (b)	0/11.00	0/0.00	7/8.19	3/4.22
POLY-3 PERCENT (g)	0%	0%	85.5%	71.2%
TERMINAL (d)	0/11 (0%)	0/0 (0%)	7/8 (88%)	3/4 (75%)
FIRST INCIDENCE	---	---	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	P<0.001**	P=0.010**
POLY 1.5	(e)	(e)	P<0.001**	P=0.016*
POLY 6	(e)	(e)	P<0.001**	P=0.009**
COCH-ARM / FISHERS	P=0.040*	(e)	P=0.003**	P=0.107
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	P=0.011*

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Intestine Small, Ileum: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	1/11 (9%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/8.19	1/4.22
POLY-3 PERCENT (g)	0%	0%	0%	23.7%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	1/4 (25%)
FIRST INCIDENCE	---	---	---	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.323
POLY 1.5	(e)	(e)	(e)	P=0.350
POLY 6	(e)	(e)	(e)	P=0.318
COCH-ARM / FISHERS	P=0.239	(e)	(e)	P=0.478
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.143

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Kidney				
Nephropathy Chronic				
LESION RATES				
OVERALL (a)	0/12 (0%)	7/12 (58%)	3/12 (25%)	1/11 (9%)
POLY-3 RATE (b)	0/12.00	7/12.00	3/8.19	1/4.22
POLY-3 PERCENT (g)	0%	58.3%	36.6%	23.7%
TERMINAL (d)	0/12 (0%)	7/12 (58%)	3/8 (38%)	1/4 (25%)
FIRST INCIDENCE	---	100 (T)	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.031*	P<0.001**	P=0.045*	P=0.323
POLY 1.5	P=0.071	P<0.001**	P=0.052	P=0.350
POLY 6	P=0.025*	P<0.001**	P=0.043*	P=0.318
COCH-ARM / FISHERS	P=0.543N	P=0.002**	P=0.109	P=0.478
MAX-ISO-POLY-3	P=0.048*	P<0.001**	P=0.022*	P=0.143

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Kidney: Renal Tubule Mineralization				
LESION RATES				
OVERALL (a)	12/12 (100%)	12/12 (100%)	9/12 (75%)	7/11 (64%)
POLY-3 RATE (b)	12/12.00	12/12.00	9/10.06	7/7.13
POLY-3 PERCENT (g)	100%	100%	89.5%	98.2%
TERMINAL (d)	12/12 (100%)	12/12 (100%)	7/8 (88%)	4/4 (100%)
FIRST INCIDENCE	100 (T)	100 (T)	31	31
STATISTICAL TESTS				
POLY 3	P=0.327N	(e)	P=0.439N	P=1.000N
POLY 1.5	P=0.094N	(e)	P=0.329N	P=0.660N
POLY 6	P=0.402N	(e)	P=0.463N	P=1.000N
COCH-ARM / FISHERS	P=0.004N**	(e)	P=0.109N	P=0.037N*
MAX-ISO-POLY-3	P=0.382N	(e)	P=0.142N	P=0.025N*

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Liver Deformity				
LESION RATES				
OVERALL (a)	0/12 (0%)	1/12 (8%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	1/12.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	8.3%	0%	0%
TERMINAL (d)	0/12 (0%)	1/12 (8%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	100 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.712	P=0.500	(e)	(e)
POLY 1.5	P=0.733	P=0.500	(e)	(e)
POLY 6	P=0.706	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.512N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.622N	P=0.159	(e)	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/12 (0%)	0/12 (0%)	1/11 (9%)
POLY-3 RATE (b)	0/12.00	0/12.00	0/8.19	1/5.18
POLY-3 PERCENT (g)	0%	0%	0%	19.3%
TERMINAL (d)	0/12 (0%)	0/12 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	34
STATISTICAL TESTS				
POLY 3	P=0.268	(e)	(e)	P=0.349
POLY 1.5	P=0.238	(e)	(e)	P=0.372
POLY 6	P=0.275	(e)	(e)	P=0.345
COCH-ARM / FISHERS	P=0.173	(e)	(e)	P=0.478
MAX-ISO-POLY-3	P=0.108	(e)	(e)	P=0.145

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/12 (8%)	0/12 (0%)	0/12 (0%)	1/11 (9%)
POLY-3 RATE (b)	1/12.00	0/12.00	0/8.19	1/4.22
POLY-3 PERCENT (g)	8.3%	0%	0%	23.7%
TERMINAL (d)	1/12 (8%)	0/12 (0%)	0/8 (0%)	1/4 (25%)
FIRST INCIDENCE	100 (T)	---	---	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.660N	P=0.500N	P=0.573N	P=0.511
POLY 1.5	P=0.669N	P=0.500N	P=0.560N	P=0.558
POLY 6	P=0.658N	P=0.500N	P=0.577N	P=0.500
COCH-ARM / FISHERS	P=0.612	P=0.500N	P=0.500N	P=0.739
MAX-ISO-POLY-3	P=0.292	P=0.159N	P=0.249N	P=0.314

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Aloe vera whole leaf extract (native)
CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
Time Report Requested: 10:34:59
First Dose M/F: 11/16/03 / 11/16/03
Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Liver				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/12 (0%)	1/12 (8%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	1/12.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	8.3%	0%	0%
TERMINAL (d)	0/12 (0%)	1/12 (8%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	100 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.712	P=0.500	(e)	(e)
POLY 1.5	P=0.733	P=0.500	(e)	(e)
POLY 6	P=0.706	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.512N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.622N	P=0.159	(e)	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Lung				
Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	1/12 (8%)	0/0 (0%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	1/12.00	0/0.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	8.3%	0%	0%	0%
TERMINAL (d)	1/12 (8%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	100 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.573N	P=0.669N
POLY 1.5	(e)	(e)	P=0.560N	P=0.644N
POLY 6	(e)	(e)	P=0.577N	P=0.674N
COCH-ARM / FISHERS	P=0.179N	(e)	P=0.500N	P=0.522N
MAX-ISO-POLY-3	(e)	(e)	P=0.249N	P=0.360N

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Lymph Node, Mesenteric Degeneration Cystic				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/4 (0%)	1/12 (8%)	0/10 (0%)
POLY-3 RATE (b)	0/12.00	0/4.00	1/8.19	0/4.19
POLY-3 PERCENT (g)	0%	0%	12.2%	0%
TERMINAL (d)	0/12 (0%)	0/4 (0%)	1/8 (13%)	0/4 (0%)
FIRST INCIDENCE	---	---	100 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.369	(e)	P=0.425	(e)
POLY 1.5	P=0.388	(e)	P=0.439	(e)
POLY 6	P=0.366	(e)	P=0.421	(e)
COCH-ARM / FISHERS	P=0.509	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.511	(e)	P=0.155	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Lymph Node, Mesenteric Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	9/12 (75%)	4/4 (100%)	8/12 (67%)	4/10 (40%)
POLY-3 RATE (b)	9/12.00	4/4.00	8/8.19	4/4.19
POLY-3 PERCENT (g)	75%	100%	97.7%	95.6%
TERMINAL (d)	9/12 (75%)	4/4 (100%)	8/8 (100%)	4/4 (100%)
FIRST INCIDENCE	100 (T)	100 (T)	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	P=0.081	P=0.359	P=0.229	P=0.436
POLY 1.5	P=0.309	P=0.359	P=0.365	P=0.654
POLY 6	P=0.053	P=0.359	P=0.196	P=0.388
COCH-ARM / FISHERS	P=0.051N	P=0.393	P=0.500N	P=0.110N
MAX-ISO-POLY-3	P=0.128	P=0.189	P=0.123	P=0.288

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Lymph Node: Inguinal				
Hyperplasia Lymphoid				
<hr/>				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.03	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Lymph Node: Lumbar Hyperplasia Lymphoid				
<hr/>				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	1/1.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	100%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	31	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Ovary Hypoplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	2/12 (17%)	5/11 (45%)
POLY-3 RATE (b)	0/12.00	0/0.00	2/10.06	5/9.06
POLY-3 PERCENT (g)	0%	0%	19.9%	55.2%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	31	26
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.189	P=0.002**
POLY 1.5	(e)	(e)	P=0.195	P=0.002**
POLY 6	(e)	(e)	P=0.188	P=0.002**
COCH-ARM / FISHERS	P=0.008**	(e)	P=0.239	P=0.014*
MAX-ISO-POLY-3	(e)	(e)	P=0.066	P<0.001**

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016
 Time Report Requested: 10:34:59
 First Dose M/F: 11/16/03 / 11/16/03
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Ovary: Interstitial Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	2/12 (17%)	1/11 (9%)
POLY-3 RATE (b)	0/12.00	0/0.00	2/8.19	1/4.22
POLY-3 PERCENT (g)	0%	0%	24.4%	23.7%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	2/8 (25%)	1/4 (25%)
FIRST INCIDENCE	---	---	100 (T)	100 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.150	P=0.323
POLY 1.5	(e)	(e)	P=0.163	P=0.350
POLY 6	(e)	(e)	P=0.147	P=0.318
COCH-ARM / FISHERS	P=0.217	(e)	P=0.239	P=0.478
MAX-ISO-POLY-3	(e)	(e)	P=0.063	P=0.143

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Pancreas: Acinus Degeneration				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/12 (0%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/12.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/12 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Spleen				
Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/12 (0%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/12.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/12 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Spleen				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/12 (0%)	1/12 (8%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	1/12.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	8.3%	0%	0%
TERMINAL (d)	0/12 (0%)	1/12 (8%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	100 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.712	P=0.500	(e)	(e)
POLY 1.5	P=0.733	P=0.500	(e)	(e)
POLY 6	P=0.706	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.512N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.622N	P=0.159	(e)	(e)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Stomach, Forestomach Hyperkeratosis				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	2/12 (17%)	2/11 (18%)
POLY-3 RATE (b)	0/12.00	0/0.00	2/10.13	2/6.16
POLY-3 PERCENT (g)	0%	0%	19.8%	32.5%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	31	26
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.191	P=0.106
POLY 1.5	(e)	(e)	P=0.198	P=0.120
POLY 6	(e)	(e)	P=0.188	P=0.103
COCH-ARM / FISHERS	P=0.101	(e)	P=0.239	P=0.217
MAX-ISO-POLY-3	(e)	(e)	P=0.066	P=0.053

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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First Dose M/F: 11/16/03 / 11/16/03

Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Thymus Atrophy				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	4/12 (33%)	6/10 (60%)
POLY-3 RATE (b)	0/12.00	0/0.00	4/10.06	6/10.00
POLY-3 PERCENT (g)	0%	0%	39.8%	60%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	2/8 (25%)	0/4 (0%)
FIRST INCIDENCE	---	---	31	31
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.021*	P<0.001**
POLY 1.5	(e)	(e)	P=0.023*	P<0.001**
POLY 6	(e)	(e)	P=0.021*	P<0.001**
COCH-ARM / FISHERS	P=0.002**	(e)	P=0.047*	P=0.003**
MAX-ISO-POLY-3	(e)	(e)	P=0.008**	P<0.001**

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Aloe vera whole leaf extract (native)

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Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Urinary Bladder Dilatation				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Urinary Bladder Hemorrhage				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/0 (0%)	0/12 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/12.00	0/0.00	0/8.19	0/4.22
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/12 (0%)	0/0 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
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)

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Uterus Hypoplasia				
LESION RATES				
OVERALL (a)	0/12 (0%)	0/2 (0%)	2/12 (17%)	5/11 (45%)
POLY-3 RATE (b)	0/12.00	0/2.00	2/10.06	5/9.06
POLY-3 PERCENT (g)	0%	0%	19.9%	55.2%
TERMINAL (d)	0/12 (0%)	0/2 (0%)	0/8 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	31	26
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	P=0.189	P=0.002**
POLY 1.5	P<0.001**	(e)	P=0.195	P=0.002**
POLY 6	P<0.001**	(e)	P=0.188	P=0.002**
COCH-ARM / FISHERS	P=0.006**	(e)	P=0.239	P=0.014*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.066	P<0.001**

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
<hr/>				
Uterus: Lumen Dilatation				
<hr/>				
LESION RATES				
OVERALL (a)	3/12 (25%)	2/2 (100%)	1/12 (8%)	0/11 (0%)
POLY-3 RATE (b)	3/12.00	2/2.00	1/8.19	0/4.22
POLY-3 PERCENT (g)	25%	100%	12.2%	0%
TERMINAL (d)	3/12 (25%)	2/2 (100%)	1/8 (13%)	0/4 (0%)
FIRST INCIDENCE	100 (T)	100 (T)	100 (T)	---
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.264N	P=0.083	P=0.448N	P=0.374N
POLY 1.5	P=0.164N	P=0.083	P=0.417N	P=0.313N
POLY 6	P=0.293N	P=0.083	P=0.457N	P=0.388N
COCH-ARM / FISHERS	P=0.032N*	P=0.110	P=0.295N	P=0.124N
MAX-ISO-POLY-3	P=0.249N	P=0.041*	P=0.286N	P=0.250N

Experiment Number: 20116 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females			
	CONTROL	1% WLN	2% WLN	3% WLN
Vagina: Lumen Dilatation				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	31
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 20116 - 01

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Species/Strain: RATS/F 344/N

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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 ***