

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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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Lab: NCTR

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	1	1	1	1	1	1	
CONTROL	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	1	1	1	1	1	1	
		7	7	8	8	9	9	0	0	1	1	2	
	1	2	1	2	1	2	1	2	1	2	1	2	* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Large, Rectum	M	+	+	+	+	+	+	M	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12	
Inflammation, Chronic Active							1					2		2 1.5
Vacuolization Cytoplasmic	1								1		1			3 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12	
Acinus, Degeneration		1												1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12	

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Lab: NCTR

DAY ON TEST	FISCHER 344 RATS MALE											
	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	1	1	1	1	1	1
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	1	1	1	1
	7	7	8	8	9	9	0	0	1	1	2	2
	1	2	1	2	1	2	1	2	1	2	1	2
* TOTALS												

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12
Cardiomyopathy				1		2	1			1			4 1.3

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Adrenal Medulla	+	+	+	+	+	+	M	+	+	+	+	+	11
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Pituitary Gland	+	M	M	M	+	+	+	+	+	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	12
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Inflammation, Suppurative	2	2		3	1		2			2	3		7 2.1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	12

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

Lab: NCTR

DAY ON TEST	FISCHER 344 RATS MALE												* TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	1	1	1	1	1	1	
	7	7	8	8	9	9	0	0	1	1	2	2	
	1	2	1	2	1	2	1	2	1	2	1	2	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	12
Testes	+	+	+	+	+	+	+	+	+	+	+	+	12
HEMATOPOIETIC SYSTEM													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	12
	3	2	2	2			2	3	2	2	1		9 2.1
Spleen Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	12
	1												1 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	12
INTEGUMENTARY SYSTEM													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
MUSCULOSKELETAL SYSTEM													
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	12
NERVOUS SYSTEM													
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	12

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FISCHER 344 RATS MALE CONTROL	DAY ON TEST													
	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	1	1	1	1	1	1		
	7	7	8	8	9	9	0	0	1	1	2	2		
	1	2	1	2	1	2	1	2	1	2	1	2	* TOTALS	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	12	
RESPIRATORY SYSTEM														
Lung	+	+	+	+	+	+	+	+	+	+	+	+	12	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12	
SPECIAL SENSES SYSTEM														
Eye	+	+	+	+	+	+	+	+	+	+	+	+	12	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12	
URINARY SYSTEM														
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12	
Nephropathy, Chronic	1	1	1	1	1	1	1	1	1	1	1	1		12 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12	
Dilatation			4											1 4.0

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FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	1	1	1	1	1	
1% WLN	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	
		3	3	4	4	5	5	6	7	7	8	8	
	1	2	1	2	1	2	2	1	2	1	2	* TOTALS	

ALIMENTARY SYSTEM

Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	11	
Infiltration Cellular, Polymorphonuclear				1									1 1.0
Goblet Cell, Hyperplasia			1	3			2	2	2	3			6 2.2
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	11	
Infiltration Cellular, Polymorphonuclear				2				4		1	3		4 2.5
Goblet Cell, Hyperplasia	1	2	3	2	1	1	3	2	2	3			10 2.0
Liver	+	+	+	+	+	+	+	+	+	+	+	11	
Hepatodiaphragmatic Nodule				X									1

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

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		0	0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS MALE	DAY ON TEST	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	
1% WLN	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	
		3	3	4	4	5	5	6	7	7	8	
		1	2	1	2	1	2	2	1	2	1	

* TOTALS

Lymph Node, Mesenteric Hyperplasia, Lymphoid												+	+	3		
												4	4		3	4.0
Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+			11	1	1.0
													1		1	1.0

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney Nephropathy, Chronic	+	+	+	+	+	+	+	+	+	+	+			11		
	1	1	1	1	1	1	1	1	1	1	1				11	1.0

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FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	0	0	1	1	1	1	1	1	1	
		0	0	4	6	0	0	0	0	0	0	0	
		0	0	6	2	0	0	1	1	1	1	1	
2% WLN	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		1	1	2	2	3	3	4	4	5	5	6	
	1	2	1	2	1	2	1	2	1	2	1	2	* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Infiltration Cellular, Polymorphonuclear					1			2	1			2		4 1.5
Goblet Cell, Hyperplasia	3	1		2	2	3	1	2	3	3	1	3		11 2.2
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12	
Infiltration Cellular, Polymorphonuclear	2				1			2	3					4 2.0
Goblet Cell, Hyperplasia	3	2		1	2	3	1	3	3	3	1	3		11 2.3
Intestine Large, Rectum	+	+	+	+	+	+	+	+	M	+	+	+	11	
Anus, Hyperplasia, Squamous											2	3		2 2.5
Anus, Inflammation, Chronic Active							1			2	2	2		4 1.8
Anus, Epithelium, Hyperplasia, Squamous										3				1 3.0
Goblet Cell, Hyperplasia	3	1			2	3	2	1		2	1	3		9 2.0
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Goblet Cell, Hyperplasia										1				1 1.0
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12	
Acinus, Degeneration						1								1 1.0

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DAY ON TEST	FISCHER 344 RATS MALE											
	0	0	0	0	0	0	0	0	0	0	0	0
1	1	0	0	1	1	1	1	1	1	1	1	1
0	0	4	6	0	0	0	0	0	0	0	0	0
0	0	6	2	0	0	1	1	1	1	1	1	1
ANIMAL ID	2% WLN											
	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	2	2	3	3	4	4	5	5	6	6	6
1	2	1	2	1	2	1	2	1	2	1	2	2
* TOTALS												

Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	M	+	+	+	+	+	+	+	+	11
Adrenal Medulla	+	+	M	M	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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FISCHER 344 RATS MALE 2% WLN	DAY ON TEST											* TOTALS
	0 1 0 0	0 1 0 0	0 0 4 6	0 0 0 2	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 0	0 1 0 0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	1	1	2	2	3	3	4	4	5	5	6	6
	1	2	1	2	1	2	1	2	1	2	1	2
Epididymis	+	+	+	+	+	+	+	+	+	+	+	12
Preputial Gland Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	12
	1	2	2	2	2		1		2	2	3	9 1.9
Prostate	+	+	+	+	+	+	+	+	+	+	+	12
Seminal Vesicle Hypoplasia	+	+	+	+	+	+	+	+	+	+	+	12
			4	4								2 4.0
Testes	+	+	+	+	+	+	+	+	+	+	+	12
HEMATOPOIETIC SYSTEM												
Bone Marrow Hypocellularity	+	+	+	+	+	+	+	+	+	+	+	12
			2	2								2 2.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mesenteric Degeneration, Cystic Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	M	+	11
	3											1 3.0
	4	4		2	2		4	4	4		4	9 3.6
Spleen Hematopoietic Cell Proliferation	+	+	+	+	+	+	+	+	+	+	+	12
					1							1 1.0
Thymus Atrophy	+	+	M	+	+	+	+	+	+	+	+	11
				3								1 3.0
INTEGUMENTARY SYSTEM												

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 X .. Lesion present
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 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

DAY ON TEST	FISCHER 344 RATS MALE												* TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	2% WLN												* TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	
Mammary Gland	+	+	M	M	M	+	+	+	+	M	+	+	8
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
MUSCULOSKELETAL SYSTEM													
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	12
NERVOUS SYSTEM													
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	12
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	12
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	12
RESPIRATORY SYSTEM													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	12
Infiltration Cellular, Histiocyte							1						1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12
SPECIAL SENSES SYSTEM													
Eye	+	+	+	+	+	+	+	+	+	+	+	+	12
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Infiltration Cellular, Lymphoid			2										1 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	0	0	1	1	1	1	1	1	1	
		0	0	4	6	0	0	0	0	0	0	0	
		0	0	6	2	0	0	1	1	1	1	1	
2% WLN	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		1	1	2	2	3	3	4	4	5	5	6	
	1	2	1	2	1	2	1	2	1	2	1	2	* TOTALS

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12
Nephropathy, Chronic	2	1	1	1	1	1	1	1	1	1	1	1	12 1.1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0
	FISCHER 344 RATS MALE	1	0	0	0	1	1	0	1	0	1	1
3% WLN	0	3	3	3	0	0	3	0	3	0	0	0
	0	1	1	4	0	0	4	1	4	1	1	1
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	2	2	2	2	2	2	2	2	2	2
	9	9	0	0	1	1	2	2	3	3	4	4
	1	2	1	2	1	2	1	2	1	2	1	2
* TOTALS												

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12
Infiltration Cellular, Polymorphonuclear						2				2	2		3 2.0
Goblet Cell, Hyperplasia	2				3	3		3	2	3	4	3	8 2.9
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Infiltration Cellular, Polymorphonuclear	3					2				3			3 2.7
Goblet Cell, Hyperplasia	3				3	3		2	3	2	3	3	8 2.8
Intestine Large, Rectum	+	+	+	+	M	+	+	+	+	+	+	+	11
Anus, Hyperplasia, Squamous								2		3		4	3 3.0
Anus, Inflammation, Chronic Active								2		3		3	3 2.7
Goblet Cell, Hyperplasia	2							3	2	2		3	5 2.4
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12
Goblet Cell, Hyperplasia								2					1 2.0
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12
Inflammation, Chronic Active										1			1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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I .. Insufficient tissue

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Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	
	1	0	0	0	1	1	0	1	0	1	1	1	
FISCHER 344 RATS MALE	0	3	3	3	0	0	3	0	3	0	0	0	
3% WLN	0	1	1	4	0	0	4	1	4	1	1	1	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	2	2	2	2	2	2	2	2	2	2	
	9	9	0	0	1	1	2	2	3	3	4	4	
	1	2	1	2	1	2	1	2	1	2	1	2	
	* TOTALS												
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Hyperkeratosis		2	2										2 2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12
CARDIOVASCULAR SYSTEM													
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12
ENDOCRINE SYSTEM													
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	M	+	11
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Pituitary Gland	M	+	+	+	+	+	+	+	+	+	M	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
GENERAL BODY SYSTEM													
NONE													
GENITAL SYSTEM													

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

FISCHER 344 RATS MALE 3% WLN	DAY ON TEST											* TOTALS
	0 1 0 0	0 0 3 1	0 0 3 1	0 0 3 4	0 1 0 0	0 1 0 0	0 0 3 4	0 1 0 1	0 0 3 4	0 1 0 1	0 1 0 1	
ANIMAL ID	0 0 1 9 1	0 0 1 9 2	0 0 2 0 1	0 0 2 0 1	0 0 2 1 2	0 0 2 1 2	0 0 2 2 1	0 0 2 2 2	0 0 2 3 1	0 0 2 3 2	0 0 2 3 1	0 0 2 4 2
Coagulating Gland Hypoplasia				+		+		+				3 3 4.0
Epididymis Hypospermia	+	+	+	+	+	+	+	+	+	+	+	12 3 4.0
Preputial Gland Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	12 9 2.2
Prostate Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	12 1 1.0
Seminal Vesicle Hypoplasia	+	+	+	+	+	+	+	+	+	+	+	12 3 4.0
Testes Hypoplasia	+	+	+	+	+	+	+	+	+	+	+	12 3 3.0
HEMATOPOIETIC SYSTEM												
Bone Marrow Hypocellularity	+	+	+	+	+	+	+	+	+	+	+	12 4 2.5
Lymph Node Inguinal, Hyperplasia, Lymphoid								+				1 1 2.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mesenteric Degeneration, Cystic	+	+	+	+	+	+	+	+	+	+	+	12 1 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

FISCHER 344 RATS MALE 3% WLN	DAY ON TEST													
	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0		
	1	1	2	2	1	1	2	2	3	3	4	4		
	0	0	0	0	0	0	0	0	0	0	0	0		
	1	0	0	0	1	1	0	1	0	1	1	1		
	0	3	3	3	0	0	3	0	3	0	0	0		
	0	1	1	4	0	0	4	1	4	1	1	1		
	0	0	0	0	0	0	0	0	0	0	0	0		
	1	1	2	2	2	2	2	2	2	2	2	2		
	9	9	0	0	1	1	2	2	3	3	4	4		
	1	2	1	2	1	2	1	2	1	2	1	2		
													* TOTALS	
Hyperplasia, Lymphoid	4				4	4		4	3	4	4	4	8 3.9	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	12	
Hematopoietic Cell Proliferation						1							1 1.0	
Hyperplasia, Lymphoid					1								1 1.0	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	12	
Atrophy		3	4				1		1				4 2.3	
INTEGUMENTARY SYSTEM														
Mammary Gland	+	+	+	+	+	+	+	+	M	+	+	+	11	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12	
MUSCULOSKELETAL SYSTEM														
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	12	
NERVOUS SYSTEM														
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	12	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	12	
RESPIRATORY SYSTEM														
Lung	+	+	+	+	+	+	+	+	+	+	+	+	12	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

FISCHER 344 RATS MALE 3% WLN	DAY ON TEST														
	0	0	0	0	0	0	0	0	0	0	0	0			
	1	0	0	0	1	1	0	1	0	1	1	1			
	0	3	3	3	0	0	3	0	3	0	0	0			
	0	1	1	4	0	0	4	1	4	1	1	1			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0	0	0			
	1	1	2	2	2	2	2	2	2	2	2	2			
	9	9	0	0	1	1	2	2	3	3	4	4			
	1	2	1	2	1	2	1	2	1	2	1	2			
													* TOTALS		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12		
SPECIAL SENSES SYSTEM															
Eye	+	+	+	+	+	+	+	+	+	+	+	+	12		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12		
URINARY SYSTEM															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12		
Nephropathy, Chronic	2				1	1		1		1	1	1	7		1.1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12		
Dilatation					4					4			2		4.0
Hemorrhage						2							1		2.0

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

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1-4 .. Lesion qualified as:

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID
	FISCHER 344 RATS FEMALE	1	1	1	1	1	1	1	1	1	1	1	
CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	3	3	3	
	5	5	6	6	7	7	8	8	9	9	0	0	
	1	2	1	2	1	2	1	2	1	2	1	2	
													* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Large, Cecum Goblet Cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	12	1 1.0
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	M	+	+	+	11	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Liver Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	12	1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12	

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
--------------	---	---	---	---	---	---	---	---	---	---	---	---	----

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Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	1	1	1	1	1	1	
CONTROL	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	3	3	
		5	5	6	6	7	7	8	8	9	9	0	
	1	2	1	2	1	2	1	2	1	2	1	2	* TOTALS

Heart	+	+	+	+	+	+	+	+	+	+	+	+	12
-------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
----------------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	12
-----------------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
--------------------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	11
-------------------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
-----------------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
---------------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
----------------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

Infiltration Cellular, Lymphoid			2				3					1	4	2.0
---------------------------------	--	--	---	--	--	--	---	--	--	--	--	---	----------	------------

Inflammation, Suppurative	2		2					3	1				4	2.0
---------------------------	---	--	---	--	--	--	--	---	---	--	--	--	----------	------------

Ovary	+	+	+	+	+	+	+	+	+	+	+	+	12
-------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

Uterus	+	+	+	+	+	+	+	+	+	+	+	+	12
--------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

Lumen, Dilatation	4	2	2										3	2.7
-------------------	---	---	---	--	--	--	--	--	--	--	--	--	----------	------------

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	0
CONTROL	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	3	3
	5	5	6	6	7	7	8	8	9	9	0	0
	1	2	1	2	1	2	1	2	1	2	1	2
* TOTALS												

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	12	
Lymph Node, Mandibular Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	12	1 2.0
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	12	9 2.1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	12	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	12	

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12

MUSCULOSKELETAL SYSTEM

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	12
-------------	---	---	---	---	---	---	---	---	---	---	---	---	-----------

NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	12
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	12
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	12

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Species/Strain: RATS/F 344/N

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

Lab: NCTR

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	1	1	1	1	1	1	
CONTROL	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	3	3	
		5	5	6	6	7	7	8	8	9	9	0	
	1	2	1	2	1	2	1	2	1	2	1	2	* TOTALS

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	12
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	12
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Infiltration Cellular, Lymphoid		1		1			1						3 1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12
Renal Tubule, Mineralization	2	2	3	2	2	2	2	2	3	3	2	3	12 2.3
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12

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

Lab: NCTR

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	1	1	1	1	1	1	
1% WLN	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	4	4	4	4	4	
		7	7	8	8	9	9	0	0	1	1	2	
	1	2	1	2	1	2	1	2	1	2	1	2	* TOTALS

ALIMENTARY SYSTEM

Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Infiltration Cellular, Polymorphonuclear									1					1 1.0
Goblet Cell, Hyperplasia	1		3	1			2		1		1			6 1.5
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12	
Infiltration Cellular, Polymorphonuclear						2			1					2 1.5
Goblet Cell, Hyperplasia	1	1	3	1		2	1		2		1			8 1.5
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12	
Deformity				X										1
Vacuolization Cytoplasmic								1						1 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Uterus				+	+								2	
Lumen, Dilatation				4	4									2 4.0

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Lab: NCTR

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	1	1	1	1	1	
1% WLN	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	4	4	4	4	4	
		7	7	8	8	9	9	0	0	1	1	2	
	1	2	1	2	1	2	1	2	1	2	1	2	* TOTALS

HEMATOPOIETIC SYSTEM

Lymph Node, Mesenteric Hyperplasia, Lymphoid													4	4	4.0
Spleen Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	12	1	4.0

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney Nephropathy, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	12	7	1.0
	1	1			1	1		1	1	1					

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

Lab: NCTR

		0	0	0	0	0	0	0	0	0	0	0		
FISCHER 344 RATS FEMALE	DAY ON TEST	1	1	1	1	1	1	1	1	1	1	1		
		0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	1	1	1	1	1		
	1% WLN	0	0	0	0	0	0	0	0	0	0	0		
	ANIMAL ID	3	3	3	3	3	4	4	4	4	4	4		
		7	7	8	8	9	9	0	0	1	1	2	2	
		1	2	1	2	1	2	1	2	1	2	1	2	
		* TOTALS												
Renal Tubule, Mineralization		2	2	2	3	2	2	3	2	2	3	2	2	12 2.3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
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FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	0	0	1	0	1	0	1	1	
		0	0	0	3	4	0	3	0	3	0	0	
		0	0	0	1	6	0	1	1	1	1	1	
2% WLN	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0		
	4	4	4	4	4	4	4	4	4	4	4		
	3	3	4	4	5	5	6	6	7	7	8		
		1	2	1	2	1	2	1	2	1	2	* TOTALS	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	M	+	+	+	+	+	+	+	11	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Goblet Cell, Hyperplasia	3	1	4			3		1		3	1	2		8 2.3
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12	
Infiltration Cellular, Lymphoid					2									1 2.0
Infiltration Cellular, Polymorphonuclear	1		1					2				2		4 1.5
Goblet Cell, Hyperplasia	2	2	4		2	2		3		3	1	3		9 2.4
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Anus, Hyperplasia, Squamous	3									2				2 2.5
Anus, Inflammation, Chronic Active	3									2				2 2.5
Goblet Cell, Hyperplasia	3	1				1		1		2	1	2		7 1.6
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12	

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Species/Strain: RATS/F 344/N

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

Lab: NCTR

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0		
		1	1	1	0	0	1	0	1	0	1	1		1
2% WLN		0	0	0	3	4	0	3	0	3	0	0	0	
	ANIMAL ID	0	0	0	1	6	0	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	0		
		4	4	4	4	4	4	4	4	4	4	4		
		3	3	4	4	5	5	6	6	7	7	8		
		1	2	1	2	1	2	1	2	1	2	1		
												* TOTALS		

Hyperkeratosis

1 2

2 1.5

Stomach, Glandular

+ + + + + + + + + + + +

12

CARDIOVASCULAR SYSTEM

Blood Vessel

+ + + + + + + + + + + +

12

Heart

+ + + + + + + + + + + +

12

Inflammation, Chronic Active
Polyarteritis

4
4

1 4.0
1 4.0

ENDOCRINE SYSTEM

Adrenal Cortex

+ + + + + + + + + + + +

12

Adrenal Medulla

+ + + + + + + + + + + +

12

Islets, Pancreatic

+ + + + + + + + + + + +

12

Parathyroid Gland

+ + + M M + + + + + +

10

Pituitary Gland

+ + + + + + + M + + +

11

Thyroid Gland

+ + + + M + + + + + +

11

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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

Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|--|
| | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | | | |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 3 | 4 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | | | |
| 2% WLN | 0 | 0 | 0 | 1 | 6 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | | | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | | |
| | | | | | | | | | | | | | * TOTALS | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Inflammation, Suppurative | 2 | | | | 2 | | 4 | 2 | | | 1 | 3 | | | |
| Inflammation, Chronic Active | | | | | | | | | 2 | | | | | | |
| Duct, Dilatation | 2 | | | | | | 4 | | | | | | | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Hypoplasia | | | | | 2 | | | | 3 | | | | | | |
| Interstitial Cell, Hyperplasia | | | | | | | | | | 1 | 1 | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Hypoplasia | | | | | 2 | | | | 2 | | | | | | |
| Lumen, Dilatation | | 3 | | | | | | | | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Hypocellularity | | | | 4 | 2 | | 3 | | 4 | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | 1 | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Degeneration, Cystic | 4 | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 4 | 4 | 3 | | | 3 | | 4 | | 4 | 4 | 3 | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | | | |

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

Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--------------------------------|-------|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|--------------|
| FISCHER 344 RATS FEMALE | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | | |
| | 0 | 0 | 0 | 3 | 4 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 1 | 6 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | <hr/> | | | | | | | | | | | | | | |
| 2% WLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | | |
| | | | | | | | | | | | | | * TOTALS | | |
| Atrophy | | 4 | | | | 2 | | 2 | | 3 | | | | | 4 2.8 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

NERVOUS SYSTEM

| | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
| Trachea | + | + | + | + | M | + | + | + | + | + | + | + | + | 11 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|

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+ .. Tissue examined microscopically

X .. Lesion present

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Species/Strain: RATS/F 344/N

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Lab: NCTR

| | | | | | | | | | | | | | | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|--|--|
| FISCHER 344 RATS FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | | |
| | | 0 | 0 | 0 | 3 | 4 | 0 | 3 | 0 | 3 | 0 | 0 | | |
| | | 0 | 0 | 0 | 1 | 6 | 0 | 1 | 1 | 1 | 1 | 1 | | |
| 2% WLN | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | | |

* TOTALS

| | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
| Infiltration Cellular, Lymphoid | 2 | | | | | | | | | | 1 | | 2 1.5 |

URINARY SYSTEM

| | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | 12 |
| Nephropathy, Chronic | | 1 | | | | | | 1 | | | 1 | | 3 1.0 |
| Renal Tubule, Mineralization | 3 | 2 | 2 | | 2 | 2 | 2 | 3 | | 2 | | 3 | 9 2.3 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | 12 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS FEMALE | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 0 | 0 | 0 | 1 | 6 | 0 | 6 | 1 | 1 | 1 | 4 | 4 | | | |
| | <hr/> | | | | | | | | | | | | | | |
| 3% WLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | | |
| * TOTALS | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | |
|--|---|---|---|---|--|---|---|---|---|---|---|---|--|--|--------------|
| Esophagus | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |
| Intestine Large, Cecum | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |
| Infiltration Cellular, Polymorphonuclear | 1 | | 2 | | | | | | | | | | | | 2 1.5 |
| Goblet Cell, Hyperplasia | 3 | 1 | 2 | | | 3 | | | | | | | | | 4 2.3 |
| Intestine Large, Colon | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |
| Infiltration Cellular, Polymorphonuclear | | | | | | 3 | | | | | | | | | 1 3.0 |
| Goblet Cell, Hyperplasia | 3 | 2 | 3 | | | 4 | | | | | | | | | 4 3.0 |
| Intestine Large, Rectum | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |
| Anus, Inflammation, Chronic Active | 2 | | | | | | | | | | | | | | 1 2.0 |
| Anus, Epithelium, Hyperplasia, Squamous | 3 | | | | | | | | | | | | | | 1 3.0 |
| Goblet Cell, Hyperplasia | 3 | | 1 | | | 1 | | | | | | | | | 3 1.7 |
| Intestine Small, Duodenum | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |
| Intestine Small, Ileum | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |
| Goblet Cell, Hyperplasia | | | | 2 | | | | | | | | | | | 1 2.0 |
| Intestine Small, Jejunum | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |
| Liver | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | | X | | | 1 |
| Inflammation, Chronic Active | | | 1 | | | | | | | | | | | | 1 1.0 |
| Pancreas | + | + | + | + | | + | + | + | + | + | + | + | | | 11 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| FISCHER 344 RATS FEMALE | 0 | 0 | 0 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 3 | 3 |
| 3% WLN | 0 | 0 | 0 | 1 | 6 | 0 | 6 | 1 | 1 | 1 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| * TOTALS | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|--|---|---|---|---|--|---|---|---|---|---|---|---|--------------|
| Salivary Glands | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Stomach, Forestomach
Hyperkeratosis | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| | | | | | | | 1 | | | | | 1 | 2 1.0 |
| Stomach, Glandular | + | + | + | + | | + | + | + | + | + | + | + | 11 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | |
|--------------|---|---|---|---|--|---|---|---|---|---|---|---|-----------|
| Blood Vessel | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Heart | + | + | + | + | | + | + | + | + | + | + | + | 11 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | |
|--------------------|---|---|---|---|--|---|---|---|---|---|---|---|-----------|
| Adrenal Cortex | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Adrenal Medulla | + | + | + | M | | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Parathyroid Gland | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Pituitary Gland | + | M | + | + | | + | + | + | + | + | + | + | 10 |
| Thyroid Gland | + | + | + | + | | + | + | + | + | + | + | + | 11 |

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|---------------|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS FEMALE | | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 3 | 3 |
| | | 0 | 0 | 0 | 1 | 6 | 0 | 6 | 1 | 1 | 1 | 4 | 4 |
| | 3% WLN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| * TOTALS | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|----|-------|-------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | 11 | | |
| Infiltration Cellular, Lymphoid | | | | 1 | | | | | | | | | 1 1.0 | |
| Inflammation, Suppurative | 3 | 2 | 2 | | 1 | 1 | 4 | 3 | 3 | 2 | | | 9 2.3 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | 11 | | |
| Hypoplasia | | | | | | | 3 | 1 | 3 | | 3 | 3 | | 5 2.6 |
| Interstitial Cell, Hyperplasia | | | | 2 | | | | | | | | | 1 2.0 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | 11 | | |
| Hypoplasia | | | | | | | 3 | 1 | 3 | | 3 | 3 | | 5 2.6 |
| Vagina | | | | | | | | | + | | | 1 | | |
| Lumen, Dilatation | | | | | | | | | 3 | | | | 1 3.0 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|-------|-------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | 11 | | |
| Hypocellularity | | | | 3 | | | 3 | 3 | 3 | 4 | 3 | 2 | | 7 3.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 11 | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | M | + | + | + | + | 10 | | |
| Hyperplasia, Lymphoid | 4 | 2 | 4 | | 4 | | | | | | | | 4 3.5 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 11 | | |
| Thymus | + | + | + | + | + | M | + | + | + | + | + | 10 | | |
| Atrophy | | | | 2 | | | 4 | 4 | 3 | 2 | 2 | | 6 2.8 | |

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Experiment Number: 20116 - 01

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

Lab: NCTR

| | | | | | | | | | | | | | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| FISCHER 344 RATS FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 3 | |
| | | 0 | 0 | 0 | 1 | 6 | 0 | 6 | 1 | 1 | 4 | 4 | |
| 3% WLN | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | * TOTALS | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | |
|---------------|---|---|---|---|--|---|---|---|---|---|---|---|-----------|
| Mammary Gland | + | + | + | + | | + | M | + | M | + | M | + | 8 |
| Skin | + | + | + | + | | + | + | + | + | + | + | + | 11 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | |
|-------------|---|---|---|---|--|---|---|---|---|---|---|---|-----------|
| Bone, Femur | + | + | + | + | | + | + | + | + | + | + | + | 11 |
|-------------|---|---|---|---|--|---|---|---|---|---|---|---|-----------|

NERVOUS SYSTEM

| | | | | | | | | | | | | | |
|-------------------|---|---|---|---|--|---|---|---|---|---|---|---|-----------|
| Brain, Brain Stem | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Brain, Cerebellum | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Brain, Cerebrum | + | + | + | + | | + | + | + | + | + | + | + | 11 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | |
|---------|---|---|---|---|--|---|---|---|---|---|---|---|-----------|
| Lung | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Nose | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Trachea | + | + | + | + | | + | + | + | + | + | + | + | 11 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | |
|-----------------|---|---|---|---|--|---|---|---|---|---|---|---|-----------|
| Eye | + | + | + | + | | + | + | + | + | + | + | + | 11 |
| Harderian Gland | + | + | + | + | | + | + | + | + | + | + | + | 11 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Experiment Number: 20116 - 01

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

Lab: NCTR

| | | | | | | | | | | | | | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| FISCHER 344 RATS FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 3 | 2 | 0 | 2 | 3 | 3 | 3 | 3 | |
| | | 0 | 0 | 0 | 1 | 6 | 0 | 6 | 1 | 1 | 1 | 4 | |
| 3% WLN | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | * TOTALS | |

URINARY SYSTEM

| | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | 11 | |
| Nephropathy, Chronic | | | 1 | | | | | | | | | | 1 1.0 |
| Renal Tubule, Mineralization | 2 | 2 | 2 | 1 | 2 | | 2 | | 3 | | | | 7 2.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | 11 | |

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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