

**TDMS No.** 20116 - 04

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

**Date Report Requested:** 01/15/2010

**Test Type:** CHRONIC

Aloe vera whole leaf extract (native)

**Time Report Requested:** 14:39:08

**Route:** DOSED WATER

**CAS Number:** ALOEVLEAFEXT

**First Dose M/F:** 04/19/05 / 04/19/05

**Species/Strain:** MICE/B6C3F1/NCTR

**Lab:** NCTR

**C Number:** C20116B  
**Lock Date:** 09/08/2009  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.2.0

Test Type: CHRONIC

Aloe vera whole leaf extract (native)

Time Report Requested: 14:39:08

Route: DOSED WATER

CAS Number: ALOEVLEAFEXT

First Dose M/F: 04/19/05 / 04/19/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE                      CONTROL WATER    ALOEWHOLLEAF 1.0    ALOEWHOLLEAF 2.0    ALOEWHOLLEAF 3.0

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>
<b>Early Deaths</b>				
<b>Moribund Sacrifice</b>	<b>16</b>	<b>16</b>	<b>23</b>	<b>15</b>
<b>Natural Death</b>		<b>2</b>	<b>4</b>	<b>4</b>
<b>Survivors</b>				
<b>Natural Death</b>	<b>1</b>	<b>1</b>		<b>1</b>
<b>Terminal Sacrifice</b>	<b>31</b>	<b>28</b>	<b>21</b>	<b>28</b>
<b>Animals Examined Microscopically</b>	<b>48</b>	<b>47</b>	<b>48</b>	<b>48</b>

ALIMENTARY SYSTEM

Esophagus	(48)	(46)	(47)	(47)
Gallbladder	(46)	(43)	(45)	(43)
Intestine Large, Ascending Colon	(47)	(44)	(45)	(42)
Goblet Cell, Hyperplasia	2 [1.0]	16 [1.3]	20 [1.6]	19 [1.6]
Intestine Large, Cecum	(47)	(44)	(44)	(43)
Hyperplasia, Lymphoid	2 [2.0]			
Goblet Cell, Hyperplasia				1 [1.0]
Intestine Large, Descending Colon	(47)	(44)	(45)	(43)
Goblet Cell, Hyperplasia		7 [1.3]	12 [1.5]	17 [1.4]
Intestine Large, Transverse Colon	(47)	(44)	(45)	(43)
Goblet Cell, Hyperplasia	4 [1.0]	14 [1.4]	21 [1.7]	22 [1.6]
Intestine Small, Duodenum	(47)	(44)	(44)	(44)
Intestine Small, Ileum	(47)	(44)	(45)	(43)
Hyperplasia, Lymphoid	1 [2.0]			
Intestine Small, Jejunum	(47)	(44)	(43)	(43)
Hyperplasia, Lymphoid			1 [3.0]	1 [2.0]
Liver	(47)	(46)	(47)	(46)
Angiectasis				1 [2.0]
Basophilic Focus	8	6	5	5
Basophilic Focus, Multiple				1
Congestion	1 [1.0]			
Cyst	1 [2.0]			1 [2.0]
Deformity	1			

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	CONTROL WATER	ALOEWHOLLEAF 1.0	ALOEWHOLLEAF 2.0	ALOEWHOLLEAF 3.0
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Degeneration, Cystic	1 [2.0]			
Eosinophilic Focus	1			
Fatty Change	1 [3.0]			
Infiltration Cellular, Lymphocyte	1 [1.0]	1 [1.0]	2 [1.0]	4 [1.3]
Infiltration Cellular, Polymorphonuclear				1 [2.0]
Inflammation, Chronic Active	1 [2.0]	1 [1.0]	1 [1.0]	3 [2.3]
Karyomegaly				1 [4.0]
Mixed Cell Focus	3			
Necrosis		1 [4.0]	1 [2.0]	1 [3.0]
Tension Lipidosis		7 [1.4]	4 [1.3]	2 [1.0]
Thrombus		1 [4.0]		
Vacuolization Cytoplasmic	3 [1.0]	2 [1.0]	2 [2.0]	2 [2.0]
Mesentery	(0)	(4)	(2)	(4)
Fat, Necrosis		4 [3.8]	2 [2.5]	3 [3.0]
Pancreas	(47)	(46)	(47)	(45)
Infiltration Cellular, Lymphocyte	2 [2.0]	3 [1.0]	1 [1.0]	4 [1.5]
Vacuolization Cytoplasmic	1 [1.0]	2 [1.0]	3 [1.3]	1 [1.0]
Acinus, Degeneration	3 [1.3]	2 [2.0]		
Duct, Dilatation			1 [4.0]	
Salivary Glands	(48)	(45)	(46)	(45)
Infiltration Cellular, Lymphocyte	39 [1.3]	31 [1.4]	23 [1.2]	29 [1.2]
Stomach, Forestomach	(47)	(45)	(45)	(44)
Epithelium, Hyperplasia	1 [2.0]			
Stomach, Glandular	(47)	(44)	(45)	(45)
Inflammation, Chronic Active			1 [2.0]	1 [2.0]
Epithelium, Hyperplasia	1 [1.0]	2 [1.5]	3 [1.7]	2 [3.0]

## CARDIOVASCULAR SYSTEM

Blood Vessel	(48)	(47)	(47)	(47)
Heart	(48)	(47)	(47)	(47)
Cardiomyopathy	2 [1.0]		2 [1.0]	1 [1.0]
Inflammation, Chronic Active	1 [2.0]			

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b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	CONTROL WATER	ALOEWHOLLEAF 1.0	ALOEWHOLLEAF 2.0	ALOEWHOLLEAF 3.0
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## ENDOCRINE SYSTEM

Adrenal Cortex	(48)	(44)	(46)	(45)
Accessory Adrenal Cortical Nodule	3			1
Cyst				1 [2.0]
Hematopoietic Cell Proliferation			1 [1.0]	
Hypertrophy		1 [2.0]		1 [2.0]
Mineralization	1 [2.0]			
Subcapsular, Hyperplasia	43 [1.5]	34 [1.4]	32 [1.5]	35 [1.5]
Adrenal Medulla	(47)	(44)	(46)	(44)
Hyperplasia	4 [1.8]	2 [2.5]	5 [2.0]	4 [2.3]
Islets, Pancreatic	(47)	(46)	(46)	(45)
Hyperplasia	9 [1.9]	3 [1.7]	1 [2.0]	2 [3.0]
Parathyroid Gland	(44)	(46)	(42)	(41)
Cyst	1 [2.0]			
Infiltration Cellular, Lymphocyte			1 [1.0]	
Pituitary Gland	(48)	(45)	(45)	(45)
Pars Distalis, Cyst		1 [1.0]	4 [2.5]	3 [1.7]
Pars Intermedia, Hyperplasia	1 [2.0]			
Thyroid Gland	(47)	(46)	(47)	(45)
Cyst		1 [2.0]		
Ectopic Thymus	1			
Infiltration Cellular, Lymphocyte	1 [1.0]	3 [1.0]	1 [2.0]	3 [1.0]
Inflammation, Chronic Active			2 [1.0]	
Follicle, Degeneration	6 [1.8]	6 [1.3]	3 [1.3]	4 [1.5]
Follicular Cell, Hyperplasia		1 [2.0]		

## GENERAL BODY SYSTEM

Tissue NOS	(1)	(1)	(3)	(0)
Cyst			1 [4.0]	

## GENITAL SYSTEM

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Lab: NCTR

**C57BL/6N XC3H/HEN MTV-NCTR MICE MALE                      CONTROL WATER      ALOEWHOLLEAF 1.0      ALOEWHOLLEAF 2.0      ALOEWHOLLEAF 3.0**

Coagulating Gland	(1)	(1)	(0)	(0)
Lumen, Dilatation	1 [4.0]			
Epididymis	(48)	(44)	(46)	(45)
Atrophy			1 [2.0]	
Degeneration	1 [2.0]			
Fibrosis			1 [2.0]	
Hypospermia	1 [4.0]	2 [2.0]	2 [2.5]	
Infiltration Cellular, Lymphocyte		2 [2.0]		
Inflammation, Chronic Active				1 [2.0]
Spermatocoele		1 [2.0]	1 [1.0]	
Serosa, Hyperplasia				1 [2.0]
Penis	(0)	(1)	(0)	(0)
Inflammation, Chronic Active		1 [3.0]		
Necrosis		1 [3.0]		
Ulcer		1 [2.0]		
Preputial Gland	(47)	(44)	(46)	(45)
Cyst	4 [2.5]	6 [2.8]	5 [1.8]	4 [2.5]
Degeneration	15 [3.2]	11 [2.6]	10 [3.0]	17 [2.8]
Infiltration Cellular, Lymphocyte	3 [1.7]	4 [1.8]	4 [2.3]	5 [1.8]
Inflammation, Suppurative	2 [3.0]	6 [2.3]	6 [3.3]	1 [2.0]
Inflammation, Chronic Active	1 [2.0]	4 [2.3]	4 [2.5]	
Bilateral, Cyst			1 [3.0]	
Duct, Ectasia	3 [3.7]	6 [2.8]	3 [3.7]	
Fat, Necrosis	1 [4.0]		1 [3.0]	1 [4.0]
Prostate	(47)	(44)	(46)	(44)
Infiltration Cellular, Lymphocyte	7 [1.0]	7 [1.0]	6 [1.0]	6 [1.0]
Inflammation, Suppurative			1 [2.0]	
Inflammation, Chronic Active				1 [1.0]
Seminal Vesicle	(48)	(44)	(47)	(44)
Atrophy			1 [2.0]	
Infiltration Cellular, Lymphocyte		1 [1.0]		
Inflammation, Suppurative			1 [4.0]	
Inflammation, Chronic Active	1 [2.0]			
Lumen, Dilatation	5 [3.2]	4 [2.3]	4 [2.8]	5 [2.2]
Testes	(47)	(44)	(45)	(44)
Interstitial Cell, Hyperplasia		1 [2.0]		1 [1.0]

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Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	CONTROL WATER	ALOEWHOLLEAF 1.0	ALOEWHOLLEAF 2.0	ALOEWHOLLEAF 3.0
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Seminiferous Tubule, Degeneration	4 [1.8]	4 [3.3]	11 [2.0]	3 [2.0]
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## HEMATOPOIETIC SYSTEM

Bone Marrow	(47)	(45)	(47)	(45)
Hyperplasia	8 [2.8]	9 [2.7]	13 [2.3]	7 [3.3]
Lymph Node	(11)	(5)	(9)	(7)
Axillary, Hyperplasia, Lymphoid	3 [2.3]		2 [2.5]	1 [3.0]
Axillary, Infiltration Cellular, Plasma Cell			1 [2.0]	
Inguinal, Hyperplasia, Lymphoid	2 [2.0]		3 [2.7]	1 [3.0]
Inguinal, Infiltration Cellular, Plasma Cell		1 [2.0]	2 [2.5]	1 [2.0]
Lumbar, Erythrophagocytosis				1 [4.0]
Lumbar, Hyperplasia, Lymphoid		1 [1.0]		1 [3.0]
Lumbar, Infiltration Cellular, Plasma Cell				1 [3.0]
Mediastinal, Hyperplasia, Lymphoid	2 [2.5]			
Mediastinal, Infiltration Cellular, Plasma Cell	1 [3.0]			
Pancreatic, Erythrophagocytosis				1 [3.0]
Pancreatic, Infiltration Cellular, Plasma Cell				1 [3.0]
Renal, Erythrophagocytosis				1 [4.0]
Renal, Hyperplasia, Lymphoid	1 [3.0]		1 [2.0]	
Renal, Infiltration Cellular, Plasma Cell			1 [2.0]	1 [2.0]
Lymph Node, Mandibular	(47)	(44)	(45)	(44)
Hyperplasia, Lymphoid	9 [1.4]	5 [2.0]	4 [1.0]	2 [2.0]
Infiltration Cellular, Plasma Cell		1 [2.0]	1 [2.0]	1 [2.0]
Pigmentation		1 [2.0]		
Lymph Node, Mesenteric	(48)	(45)	(45)	(43)
Angiectasis	5 [2.4]	1 [2.0]	2 [2.5]	1 [2.0]
Hematopoietic Cell Proliferation	1 [2.0]			1 [2.0]
Hemorrhage	10 [2.2]	13 [2.2]	10 [2.4]	11 [2.2]
Hyperplasia, Lymphoid	28 [2.1]	17 [2.0]	17 [2.2]	23 [2.3]
Infiltration Cellular, Histiocyte			2 [2.5]	4 [2.8]
Infiltration Cellular, Plasma Cell				2 [4.0]
Infiltration Cellular, Polymorphonuclear		1 [3.0]	2 [2.0]	1 [3.0]
Thrombus		1 [2.0]		1 [4.0]
Sinus, Dilatation	6 [2.7]	2 [3.0]	4 [2.8]	2 [2.0]

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Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE                      CONTROL WATER      ALOEWHOLLEAF 1.0      ALOEWHOLLEAF 2.0      ALOEWHOLLEAF 3.0

Spleen	(48)	(45)	(46)	(44)
Angiectasis	1 [2.0]		1 [2.0]	
Depletion Lymphoid			1 [4.0]	
Hematopoietic Cell Proliferation	20 [3.6]	15 [3.7]	18 [3.5]	14 [3.4]
Hyperplasia, Lymphoid	24 [2.2]	21 [2.1]	20 [2.3]	22 [2.5]
Pigmentation			1 [2.0]	
Thymus	(41)	(39)	(37)	(40)
Atrophy	22 [3.2]	19 [2.9]	17 [3.1]	23 [2.7]
Hyperplasia, Lymphoid	2 [2.0]	1 [1.0]		1 [1.0]
Mineralization			1 [1.0]	

**INTEGUMENTARY SYSTEM**

Skin	(48)	(47)	(46)	(48)
Fibrosis		1 [3.0]	4 [4.0]	
Hemorrhage				1 [4.0]
Hyperplasia, Basal Cell			1 [4.0]	
Inflammation, Suppurative	1 [3.0]	2 [1.0]	3 [2.0]	1 [2.0]
Inflammation, Chronic			1 [2.0]	
Inflammation, Chronic Active	1 [1.0]	3 [1.0]	4 [2.0]	2 [3.0]
Metaplasia, Osseous			1 [2.0]	
Mineralization	1 [4.0]	1 [2.0]	1 [3.0]	
Necrosis				1 [2.0]
Ulcer	1 [4.0]		4 [3.0]	3 [2.3]
Epithelium, Hyperplasia	1 [2.0]	6 [1.8]	4 [2.0]	4 [2.0]

**MUSCULOSKELETAL SYSTEM**

Skeletal Muscle	(1)	(1)	(3)	(0)
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**NERVOUS SYSTEM**

Brain, Cerebrum	(47)	(46)	(46)	(43)
Mineralization	29 [1.3]	24 [1.1]	24 [1.1]	24 [1.2]

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	CONTROL WATER	ALOEWHOLLEAF 1.0	ALOEWHOLLEAF 2.0	ALOEWHOLLEAF 3.0
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## RESPIRATORY SYSTEM

Lung	(48)	(47)	(46)	(47)
Congestion		1 [4.0]		
Infiltration Cellular, Histiocyte	5 [2.6]		2 [2.5]	
Infiltration Cellular, Lymphocyte				1 [2.0]
Inflammation, Chronic Active	1 [1.0]			
Thrombus		1 [1.0]		
Alveolar Epithelium, Hyperplasia		5 [2.6]	4 [1.8]	2 [2.0]
Nose	(48)	(47)	(47)	(47)
Hyaline Droplet	6 [1.2]	31 [1.8]	39 [2.0]	13 [1.8]
Posterior To Upper Incisor, Dysplasia	1 [4.0]		1 [4.0]	
Trachea	(48)	(47)	(46)	(45)

## SPECIAL SENSES SYSTEM

Eye	(47)	(43)	(44)	(43)
Cataract			1 [1.0]	1 [1.0]
Cornea, Hyperplasia		1 [2.0]		
Cornea, Inflammation, Chronic Active		1 [1.0]		
Harderian Gland	(48)	(44)	(46)	(44)
Infiltration Cellular, Lymphocyte	1 [1.0]	2 [2.0]	3 [1.7]	2 [1.5]
Inflammation, Chronic Active				1 [1.0]
Acinus, Degeneration		1 [3.0]		1 [2.0]
Acinus, Dilatation				1 [2.0]
Epithelium, Hyperplasia			1 [2.0]	

## URINARY SYSTEM

Kidney	(48)	(45)	(46)	(45)
Cyst		3 [2.7]	2 [1.5]	
Cyst Multilocular				1 [4.0]
Fibrosis			1 [3.0]	

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Hyaline Droplet			3 [3.3]	
Infiltration Cellular, Lymphocyte	10 [1.4]	8 [1.4]	10 [1.3]	12 [1.3]
Inflammation, Chronic Active				1 [2.0]
Metaplasia, Osseous	2 [1.5]		2 [1.0]	
Nephropathy	26 [1.3]	18 [1.2]	17 [1.2]	20 [1.3]
Pigmentation			1 [2.0]	
Pelvis, Dilatation		1 [2.0]	1 [2.0]	
Urethra	(1)	(0)	(0)	(1)
Bulbourethral Gland, Dilatation	1 [4.0]			
Bulbourethral Gland, Infiltration Cellular, Lymphocyte	1 [2.0]			
Urinary Bladder	(48)	(45)	(45)	(44)
Infiltration Cellular, Lymphocyte	3 [1.0]	2 [1.0]	2 [1.0]	2 [1.0]
Inflammation, Chronic Active				1 [4.0]
Lumen, Dilatation	3 [3.3]	1 [4.0]	1 [3.0]	1 [2.0]

\*\*\* END OF MALE \*\*\*

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE      CONTROL WATER      ALOEWHOLLEAF 1.0      ALOEWHOLLEAF 2.0      ALOEWHOLLEAF 3.0

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>
<b>Early Deaths</b>				
<b>Moribund Sacrifice</b>	<b>6</b>	<b>12</b>	<b>8</b>	<b>6</b>
<b>Natural Death</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>5</b>
<b>Survivors</b>				
<b>Moribund Sacrifice</b>	<b>1</b>	<b>1</b>		<b>1</b>
<b>Natural Death</b>		<b>1</b>	<b>1</b>	<b>2</b>
<b>Terminal Sacrifice</b>	<b>35</b>	<b>30</b>	<b>36</b>	<b>34</b>
<b>Animals Examined Microscopically</b>	<b>47</b>	<b>48</b>	<b>48</b>	<b>48</b>

**ALIMENTARY SYSTEM**

Gallbladder	(42)	(43)	(44)	(41)
Intestine Large, Ascending Colon	(43)	(43)	(44)	(43)
Goblet Cell, Hyperplasia	1 [1.0]	15 [1.2]	20 [1.3]	25 [1.7]
Intestine Large, Cecum	(42)	(43)	(44)	(42)
Hyperplasia, Lymphoid	1 [1.0]			
Goblet Cell, Hyperplasia	1 [1.0]		2 [1.5]	2 [1.5]
Intestine Large, Descending Colon	(43)	(43)	(44)	(43)
Goblet Cell, Hyperplasia		4 [1.3]	7 [1.4]	17 [1.6]
Intestine Large, Rectum	(43)	(43)	(44)	(42)
Intestine Large, Transverse Colon	(42)	(42)	(44)	(43)
Goblet Cell, Hyperplasia	2 [1.0]	18 [1.2]	23 [1.3]	26 [1.7]
Intestine Small, Duodenum	(43)	(43)	(44)	(42)
Intestine Small, Ileum	(42)	(43)	(44)	(42)
Hyperplasia, Lymphoid			1 [3.0]	1 [3.0]
Intestine Small, Jejunum	(42)	(43)	(44)	(42)
Liver	(45)	(44)	(46)	(46)
Autolysis				1 [4.0]
Basophilic Focus	1		1	4
Clear Cell Focus		1		
Cyst, Multiple				1 [4.0]
Cytomegaly		1 [2.0]		
Eosinophilic Focus	1			1

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Test Type: CHRONIC

Aloe vera whole leaf extract (native)

Time Report Requested: 14:39:08

Route: DOSED WATER

CAS Number: ALOEVLEAFEXT

First Dose M/F: 04/19/05 / 04/19/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	CONTROL WATER	ALOEWHOLLEAF 1.0	ALOEWHOLLEAF 2.0	ALOEWHOLLEAF 3.0
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Hematopoietic Cell Proliferation	1 [3.0]	1 [1.0]		2 [1.0]
Infiltration Cellular, Lymphocyte	10 [1.8]	6 [1.2]	6 [1.7]	9 [1.4]
Inflammation, Chronic Active	6 [1.7]	5 [2.2]	4 [1.3]	5 [1.2]
Mixed Cell Focus	1		1	1
Necrosis	3 [2.3]	2 [3.5]	2 [3.0]	3 [3.3]
Pigmentation	1 [2.0]		1 [2.0]	
Tension Lipidosis	7 [1.6]	5 [1.4]	2 [1.0]	5 [1.2]
Vacuolization Cytoplasmic	12 [1.5]	14 [1.8]	12 [1.4]	16 [1.7]
Bile Duct, Hyperplasia		1 [2.0]		
Oval Cell, Hyperplasia	1 [3.0]			
Parenchyma, Degeneration			1 [4.0]	
Mesentery	(6)	(8)	(9)	(3)
Angiectasis			1 [3.0]	
Infiltration Cellular, Lymphocyte			1 [3.0]	
Inflammation, Chronic Active			1 [4.0]	
Fat, Hemorrhage	1 [4.0]			1 [4.0]
Fat, Infiltration Cellular, Histiocyte				1 [4.0]
Fat, Necrosis	6 [2.8]	8 [3.1]	8 [3.1]	2 [3.5]
Oral Mucosa	(1)	(0)	(0)	(0)
Pancreas	(42)	(43)	(44)	(43)
Cyst				1 [2.0]
Hemorrhage				1 [4.0]
Infiltration Cellular, Lymphocyte	11 [1.5]	4 [1.3]	13 [1.2]	15 [1.5]
Vacuolization Cytoplasmic	1 [1.0]	2 [2.0]		
Acinus, Degeneration	1 [4.0]	1 [2.0]	1 [2.0]	
Duct, Dilatation			1 [4.0]	1 [4.0]
Salivary Glands	(43)	(43)	(44)	(43)
Infiltration Cellular, Lymphocyte	29 [1.6]	31 [1.3]	31 [1.4]	26 [1.5]
Stomach, Forestomach	(43)	(44)	(45)	(42)
Keratin Cyst	1	1		
Epithelium, Hyperplasia		2 [2.0]	1 [2.0]	1 [2.0]
Stomach, Glandular	(43)	(44)	(45)	(42)
Cyst	1 [2.0]			
Erosion				1 [2.0]
Inflammation, Chronic Active		1 [1.0]		
Epithelium, Hyperplasia		1 [3.0]	3 [2.3]	4 [1.8]

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Test Type: CHRONIC

Aloe vera whole leaf extract (native)

Time Report Requested: 14:39:08

Route: DOSED WATER

CAS Number: ALOEVLEAFEXT

First Dose M/F: 04/19/05 / 04/19/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE      CONTROL WATER      ALOEWHOLLEAF 1.0      ALOEWHOLLEAF 2.0      ALOEWHOLLEAF 3.0

CARDIOVASCULAR SYSTEM

	(45)	(46)	(46)	(44)
Heart				
Cardiomyopathy	4 [1.3]	2 [1.0]	3 [1.0]	
Inflammation, Chronic Active			1 [1.0]	
Mineralization	1 [1.0]			

ENDOCRINE SYSTEM

	(44)	(43)	(44)	(44)
Adrenal Cortex				
Vacuolization Cytoplasmic	4 [2.5]	4 [2.3]	1 [4.0]	1 [2.0]
Subcapsular, Hyperplasia	43 [2.0]	43 [1.9]	43 [2.0]	44 [2.0]
Adrenal Medulla	(44)	(42)	(44)	(44)
Hyperplasia	1 [3.0]		1 [1.0]	
Pigmentation				1 [2.0]
Islets, Pancreatic	(42)	(43)	(44)	(43)
Hyperplasia	1 [1.0]	5 [1.8]	1 [2.0]	2 [2.0]
Parathyroid Gland	(42)	(37)	(42)	(40)
Cyst		1 [1.0]	1 [1.0]	
Infiltration Cellular, Lymphocyte				1 [2.0]
Pituitary Gland	(43)	(38)	(41)	(44)
Thrombus			1 [3.0]	
Pars Distalis, Angiectasis			1 [2.0]	1 [2.0]
Pars Distalis, Cyst			1 [2.0]	2 [2.0]
Pars Distalis, Hyperplasia	7 [1.6]	8 [1.4]	10 [2.2]	11 [1.8]
Pars Intermedia, Angiectasis			1 [3.0]	
Thyroid Gland	(43)	(43)	(44)	(43)
Cyst		1 [2.0]	1 [2.0]	
Ectopic Thymus	2	1		
Infiltration Cellular, Lymphocyte	3 [1.3]	1 [1.0]	2 [1.0]	6 [1.2]
Inflammation, Suppurative				1 [1.0]
Inflammation, Chronic Active			1 [1.0]	
Follicle, Degeneration	6 [1.5]	10 [1.3]	9 [1.3]	6 [1.3]
Follicular Cell, Hyperplasia	3 [3.0]	1 [2.0]	1 [2.0]	

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE      CONTROL WATER      ALOEWHOLLEAF 1.0      ALOEWHOLLEAF 2.0      ALOEWHOLLEAF 3.0

Follicular Cell, Hypertrophy      1 [3.0]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(44)	(44)	(44)	(42)
Degeneration	43 [3.9]	44 [3.8]	43 [3.9]	40 [3.8]
Ovary	(44)	(46)	(45)	(44)
Atrophy	40 [3.9]	39 [3.9]	40 [3.9]	39 [3.8]
Autolysis		1 [4.0]		
Cyst	14 [3.1]	18 [3.1]	12 [3.0]	9 [2.7]
Cyst, Multiple	1 [4.0]		2 [2.0]	2 [4.0]
Hemorrhage			1 [2.0]	
Uterus	(46)	(45)	(44)	(45)
Angiectasis			1 [3.0]	
Autolysis	1 [4.0]			1 [4.0]
Edema	1 [4.0]			
Hydrometra		1 [4.0]		1 [4.0]
Thrombus		1 [2.0]	1 [2.0]	1 [4.0]
Endometrium, Hyperplasia, Cystic	43 [3.0]	44 [2.8]	43 [3.1]	43 [2.9]
Lumen, Dilatation	1 [4.0]			

HEMATOPOIETIC SYSTEM

Bone Marrow	(43)	(43)	(44)	(43)
Fibrosis	1 [2.0]			
Hyperplasia	7 [2.6]	5 [2.8]	5 [2.4]	3 [2.0]
Lymph Node	(14)	(15)	(12)	(13)
Axillary, Infiltration Cellular, Polymorphonuclear		1 [3.0]		
Iliac, Hyperplasia, Lymphoid				1 [2.0]
Iliac, Infiltration Cellular, Plasma Cell				1 [2.0]

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Lab: NCTR

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Iliac, Infiltration Cellular, Polymorphonuclear				1 [2.0]
Lumbar, Hemorrhage				2 [2.0]
Lumbar, Hyperplasia, Lymphoid	3 [2.3]		1 [2.0]	5 [1.8]
Lumbar, Infiltration Cellular, Plasma Cell	1 [3.0]		1 [3.0]	
Lumbar, Infiltration Cellular, Polymorphonuclear	2 [2.5]	1 [3.0]		
Lumbar, Sinus, Dilatation				1 [2.0]
Renal, Hemorrhage				1 [4.0]
Renal, Hyperplasia, Lymphoid	2 [2.5]			1 [3.0]
Renal, Infiltration Cellular, Polymorphonuclear	2 [2.0]			
Lymph Node, Mandibular	(43)	(44)	(45)	(43)
Amyloid Deposition		1 [2.0]		
Hyperplasia, Lymphoid	11 [1.8]	13 [1.5]	12 [1.9]	14 [2.1]
Infiltration Cellular, Lymphocyte		1 [1.0]		
Infiltration Cellular, Plasma Cell	1 [2.0]	2 [2.5]		
Infiltration Cellular, Polymorphonuclear	1 [2.0]		1 [2.0]	
Lymph Node, Mesenteric	(43)	(45)	(43)	(42)
Amyloid Deposition		1 [2.0]		
Angiectasis	1 [4.0]		1 [2.0]	
Hemorrhage		1 [2.0]		2 [3.0]
Hyperplasia, Lymphoid	10 [2.0]	12 [1.8]	14 [1.8]	16 [1.5]
Infiltration Cellular, Plasma Cell	1 [2.0]	2 [2.5]		
Sinus, Dilatation				1 [2.0]
Spleen	(44)	(46)	(45)	(44)
Amyloid Deposition		1 [3.0]		
Depletion Lymphoid				1 [3.0]
Fibrosis, Stromal	1 [4.0]			
Hematopoietic Cell Proliferation	16 [3.1]	13 [2.8]	9 [3.3]	12 [2.7]
Hyperplasia, Lymphoid	20 [2.7]	23 [2.5]	21 [2.9]	24 [3.1]
Necrosis			1 [4.0]	
Pigmentation	3 [2.0]	4 [2.0]	4 [2.3]	5 [2.2]
Thrombus	1 [4.0]			
Thymus	(41)	(44)	(43)	(41)
Amyloid Deposition		1 [2.0]		
Atrophy	10 [3.1]	14 [2.4]	17 [2.4]	10 [2.5]
Cyst				1 [2.0]

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	CONTROL WATER	ALOEWHOLLEAF 1.0	ALOEWHOLLEAF 2.0	ALOEWHOLLEAF 3.0
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Hyperplasia, Lymphoid	8 [2.3]	7 [1.9]	8 [1.9]	12 [1.8]
Necrosis	1 [2.0]			
Epithelial Cell, Hyperplasia				1 [3.0]

## INTEGUMENTARY SYSTEM

Mammary Gland	(44)	(43)	(44)	(44)
Galactocele	1 [2.0]		1 [2.0]	
Infiltration Cellular, Lymphocyte			1 [2.0]	1 [2.0]
Lactation	2 [2.0]		2 [2.0]	
Alveolus, Hyperplasia	4 [2.3]	3 [1.7]	3 [1.7]	3 [2.3]
Skin	(44)	(46)	(45)	(44)
Fat, Necrosis			1 [3.0]	

## MUSCULOSKELETAL SYSTEM

Bone, Femur	(47)	(46)	(48)	(46)
Fibro-Osseous Lesion	1 [2.0]	1 [3.0]	2 [1.5]	1 [4.0]
Skeletal Muscle	(0)	(2)	(2)	(0)
Diaphragm, Inflammation, Chronic Active			1 [4.0]	

## NERVOUS SYSTEM

Brain, Brain Stem	(43)	(44)	(44)	(43)
Compression	2 [2.0]	1 [1.0]	2 [2.5]	1 [2.0]
Brain, Cerebellum	(43)	(44)	(44)	(43)
Infiltration Cellular, Lymphocyte				1 [1.0]
Brain, Cerebrum	(43)	(44)	(44)	(43)
Infiltration Cellular, Lymphocyte				1 [1.0]
Mineralization	24 [1.2]	30 [1.1]	24 [1.2]	27 [1.0]

## RESPIRATORY SYSTEM

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Lung	(45)	(45)	(46)	(44)
Autolysis	1 [4.0]		1 [4.0]	
Congestion				1 [4.0]
Hemorrhage	2 [3.0]	1 [4.0]		
Infiltration Cellular, Histiocyte	5 [2.4]	4 [2.0]	3 [1.7]	1 [1.0]
Infiltration Cellular, Lymphocyte	4 [1.8]	2 [1.5]	2 [2.0]	3 [1.7]
Inflammation, Chronic		1 [1.0]		
Inflammation, Chronic Active	2 [2.5]	1 [2.0]		1 [2.0]
Metaplasia, Osseous		1 [1.0]		
Mineralization			1 [1.0]	
Alveolar Epithelium, Hyperplasia			2 [3.0]	1 [1.0]
Nose	(45)	(44)	(45)	(45)
Hyaline Droplet	12 [1.3]	12 [1.2]	17 [1.1]	9 [1.6]
Inflammation, Chronic Active	1 [2.0]			

**SPECIAL SENSES SYSTEM**

Eye	(42)	(43)	(44)	(42)
Cataract	2 [1.0]		2 [1.0]	
Phthisis Bulbi		1 [4.0]		
Cornea, Inflammation, Chronic Active	1 [2.0]			
Cornea, Ulcer	1 [4.0]			
Harderian Gland	(43)	(43)	(44)	(43)
Hyperplasia				1 [2.0]
Infiltration Cellular, Lymphocyte	6 [1.2]	5 [1.0]	5 [1.0]	5 [1.2]
Epithelium, Hyperplasia		2 [1.5]		
Lacrimal Gland	(1)	(0)	(0)	(0)
Infiltration Cellular, Lymphocyte	1 [2.0]			

**URINARY SYSTEM**

Kidney	(44)	(43)	(46)	(44)
Amyloid Deposition	1 [4.0]	1 [4.0]		2 [3.5]
Autolysis	1 [4.0]			1 [4.0]
Cyst, Multiple		1 [4.0]		

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	CONTROL WATER	ALOEWHOLLEAF 1.0	ALOEWHOLLEAF 2.0	ALOEWHOLLEAF 3.0
Hyaline Droplet	3 [3.0]	1 [3.0]	1 [3.0]	1 [3.0]
Infiltration Cellular, Histiocyte	1 [1.0]			
Infiltration Cellular, Lymphocyte	22 [1.5]	23 [1.1]	22 [1.2]	27 [1.5]
Metaplasia, Osseous			3 [1.7]	2 [1.5]
Nephropathy	5 [1.6]	6 [1.7]	7 [1.1]	6 [1.7]
Polyarteritis				1 [2.0]
Pelvis, Dilatation		1 [3.0]	2 [3.5]	
Pelvis, Mineralization		1 [2.0]		
Transitional Epithelium, Hyperplasia		1 [2.0]		
Urinary Bladder	(43)	(43)	(44)	(42)
Infiltration Cellular, Lymphocyte	22 [1.2]	22 [1.0]	22 [1.3]	25 [1.3]
Lumen, Dilatation			1 [3.0]	

\*\*\* END OF REPORT \*\*\*

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