

TDMS No. 20116 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

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

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE CONTROL WATER	DAY ON TEST																								ANIMAL ID	males (cont...)
	0 7 3 6	0 6 9 6	0 5 8 2	0 4 3 8	0 7 3 6	0 7 3 6	0 7 3 6	0 4 5 7	0 7 3 6	0 7 3 6	0 4 3 5	0 7 3 6	0 7 3 6	0 7 3 6	0 4 3 6	0 7 3 6	0 4 3 9	0 5 7 5	0 7 3 6	0 6 8 2	0 6 4 7	0 7 3 6	0 5 4 8			
	0 0 0 6 1	0 0 0 6 2	0 0 0 6 3	0 0 0 6 4	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	0 0 0 7 1	

Mammary Gland

M M

Skin
 Inflammation, Suppurative
 Inflammation, Chronic Active
 Mineralization
 Ulcer
 Epithelium, Hyperplasia

+ +

MUSCULOSKELETAL SYSTEM

Bone, Femur

+ +

Skeletal Muscle

NERVOUS SYSTEM

Brain, Brain Stem

+ +

Brain, Cerebellum

+ +

Brain, Cerebrum
 Mineralization

+
 2 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1

RESPIRATORY SYSTEM

Lung
 Infiltration Cellular, Histiocyte
 Inflammation, Chronic Active

+
 1 3 4 1

* .. 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
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| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | * TOTALS | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------|------|
| | 0736 | 0736 | 0736 | 0731 | 0738 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | | | 0737 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00392 | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--|---|---|--|--|--|---|--|--|--|---|--|--|--|--|--|--|--|--|---|-------|
| Deformity | | | | | X | | | | | | | | | | | | | | | | | 1 | |
| Degeneration, Cystic | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Eosinophilic Focus | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mixed Cell Focus | | | | | | | | | X | | | | | | | | | | | | | | 3 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 3 1.0 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 | 2 2.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | 1 | | | | | | | | | | 1 1.0 |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | 3 1.3 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | 2 | 1 | 2 | 1 | 1 | | 1 | | | 1 | 2 | 1 | 2 | | 1 | 2 | 1 | 1 | 2 | 2 | 39 1.3 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Stomach, Forestomach Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 |
| | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Stomach, Glandular Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 |
| | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | 1 | 2 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 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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MICE MALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0736 | 0736 | 0736 | 0731 | 0738 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | |
| ANIMAL ID | 00392 | 00393 | 00394 | 00395 | 00397 | 00398 | 00399 | 00400 | 00401 | 00402 | 00403 | 00404 | 00405 | 00406 | 00407 | 00408 | 00409 | 00410 | 00411 | 00412 | 00413 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | X | | | | | | | | | 3 |
| Mineralization | | | | | | | | | | | | | 2 | | | | | | | | | | 1 2.0 |
| Subcapsular, Hyperplasia | 2 | 2 | | 3 | 2 | | 2 | 1 | 1 | | 1 | 2 | 2 | 2 | | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 43 1.5 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 47 |
| Hyperplasia | 2 | 1 | | | | | | | | | | | | | | | | | | | 2 | | 4 1.8 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 47 |
| Hyperplasia | | 1 | | | 2 | | 2 | | | | | | | 3 | | | | 2 | | | | | 9 1.9 |
| Parathyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 44 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Pars Intermedia, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 47 |
| Ectopic Thymus | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Follicle, Degeneration | | | | | | | | | | 2 | | | | | | | | 2 | 2 | | | | 6 1.8 |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | 1 |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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MICE MALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|---|----|-------|--------|-------|-------|-------|-------|-------|
| | 0736 | 0736 | 0736 | 0731 | 0738 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | | 0737 | | | | | | | | | |
| ANIMAL ID | 00392 | 00339 | 00334 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | 00305 | | | | | | | | | | |
| Coagulating Gland Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | + | 1 | 4 | 1 4.0 | | | | | | |
| Epididymis Degeneration Hypospermia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 1 2.0 | 1 4.0 | | | | |
| Preputial Gland Cyst Degeneration Infiltration Cellular, Lymphocyte Inflammation, Suppurative Inflammation, Chronic Active Duct, Ectasia Fat, Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 | 4 2.5 | 15 3.2 | 3 1.7 | 2 3.0 | 1 2.0 | 3 3.7 | 1 4.0 |
| Prostate Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | 7 1.0 | | | | | | |
| Seminal Vesicle Inflammation, Chronic Active Lumen, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 1 2.0 | 5 3.2 | | | | | |
| Testes Seminiferous Tubule, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 | 4 1.8 | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47 | | | | | | |

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MICE MALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
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| | 0736 | 0736 | 0736 | 0731 | 0738 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | | 0737 |
| ANIMAL ID | 00392 | 00339 | 00334 | 00355 | 00355 | 00355 | 00355 | 00355 | 00355 | 00355 | 00356 | 00366 | 00366 | 00366 | 00368 | 00388 | 00388 | 00388 | 00388 | 00388 | 00388 | |
| Hyperplasia | 2 | | 4 | | | | | | 3 | | | | | | | | | | | | | 8 2.8 |
| Lymph Node | | + | + | | | + | + | | + | | | | + | | | + | | | | | | 11 |
| Axillary, Hyperplasia, Lymphoid | | 2 | | | | 2 | | | | | | | | | | | | | | | | 3 2.3 |
| Inguinal, Hyperplasia, Lymphoid | | 2 | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | 3 | | | | | | | | | | 1 3.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Hyperplasia, Lymphoid | | | 1 | | | 2 | | 1 | | 2 | | | | | 1 | 1 | | | | | 1 | 9 1.4 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Angiectasis | 2 | | 4 | | | | | | | | | | 2 | | | | | | | | 2 | 5 2.4 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | | | | | 2 | | | | | | 2 | | 1 | | | | 3 | 2 | 10 2.2 |
| Hyperplasia, Lymphoid | 3 | 2 | | | 2 | 1 | 2 | 2 | | 2 | 2 | | 3 | | 2 | | 2 | 2 | | 2 | 2 | 28 2.1 |
| Sinus, Dilatation | | | | | | | | | | | | 2 | | | | | | | | 3 | | 6 2.7 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hematopoietic Cell Proliferation | 4 | | | 4 | | 4 | 4 | | | 3 | 3 | 4 | | | | | | | 3 | | | 20 3.6 |
| Hyperplasia, Lymphoid | | | | | 2 | | | 3 | | 2 | 2 | | 2 | 2 | | 2 | 2 | | 3 | 2 | 2 | 24 2.2 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 41 |
| Atrophy | 4 | | 2 | 4 | 3 | | 4 | 4 | | | | | 2 | 2 | | 4 | | | 2 | 4 | | 22 3.2 |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | | 2 | | | | | | | | | | | 2 2.0 |

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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MICE MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|---|
| | 0689 | 0736 | 0773 | 0773 | 0773 | 0660 | 0661 | 0753 | 0533 | 0733 | 0533 | 0733 | 0733 | 0073 | 0773 | 0773 | 0773 | 0773 | 0773 | 0666 | 0667 | 0649 | 0770 | 0676 | | |
| ANIMAL ID | 00261 | 00222 | 00222 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00266 | 00266 | 00266 | 00266 | 00266 | 00266 | 00266 | 00266 | 00266 | 00266 | 00266 | | |
| Subcapsular, Hyperplasia | 1 | 1 | 2 | 2 | 1 | 2 | | 2 | 1 | | 1 | 3 | | | 1 | 2 | 3 | 2 | | 2 | 1 | 1 | 1 | 2 | 1 | |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic
Hyperplasia | | + | | | | + | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | |
| Pituitary Gland
Pars Distalis, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Thyroid Gland
Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte
Follicle, Degeneration | | | | | 1 | | 2 | | | | | | | | | | | | 1 | | | | | | 1 | |
| Follicular Cell, Hyperplasia | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Hypospermia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |

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| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0736 | 0682 | 0743 | 0743 | 0743 | 0743 | 0743 | 0541 | 0695 | 0704 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | | 0706 |
| ANIMAL ID | 00663 | 00664 | 00667 | 00667 | 00667 | 00667 | 00667 | 00667 | 00667 | 00668 | 00668 | 00668 | 00668 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | A | A | + | + | + | + | 43 |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44 |
| | 1 | | | 2 | | | | | | 1 | | | | 1 | | | | 2 | 1 | 1 | | 16 1.3 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44 |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44 |
| | | | | 2 | | | | | | | | | | | | | | | | | | 7 1.3 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44 |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44 |
| | 1 | | | 2 | | | | | | 1 | | | | 1 | | | | 2 | 2 | 2 | | 14 1.4 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 |
| Basophilic Focus | | | | X | X | | | | | | | | | | | | | | | X | X | 6 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 | | | | 1 1.0 |
| Necrosis | | | | | 4 | | | | | | | | | | | | | | | | | 1 4.0 |

* .. 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|-------|----------|
| | 0736 | 0822 | 0443 | 0773 | 0773 | 0773 | 0773 | 0541 | 0665 | 0774 | 0776 | 0666 | 0776 | 0776 | 0666 | 0776 | 0776 | 0776 | 0776 | 0776 | | 0776 | | |
| ANIMAL ID | 006663 | 006674 | 006671 | 006672 | 006673 | 006674 | 006681 | 006682 | 006683 | 006684 | 006681 | 006682 | 006683 | 006684 | 006691 | 006692 | 006693 | 006694 | 006691 | 006692 | 006693 | 006694 | | |
| Tension Lipidosis | | | 2 | | | 1 | | | | | | | | | | | | | | | | 1 | 7 1.4 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 4.0 |
| Vacuolization Cytoplasmic | 1 | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Fat, Necrosis | | | | | | | | | | | | | | | + | + | | | | | | | + | 4 3.8 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | 46 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 1.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | 45 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 31 1.4 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | 45 |
| Stomach, Glandular Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 44 2 1.5 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | 47 |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | 47 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | 44 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|----------------|
| | 0736 | 0822 | 0743 | 0743 | 0773 | 0773 | 0773 | 0541 | 0695 | 0704 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | | 0706 | |
| ANIMAL ID | 006663 | 006674 | 006671 | 006672 | 006673 | 006674 | 006678 | 006688 | 006688 | 006688 | 006689 | 006699 | 006699 | 006699 | 006699 | 006699 | 006699 | 006699 | 006699 | 006699 | 006699 | | |
| Subcapsular, Hyperplasia | 1 | 1 | | 1 | 1 | 2 | | 1 | 1 | 1 | 2 | 1 | | | 1 | | | 1 | 1 | 2 | | 34 1.4 | |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44
2 2.5 | |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | A | + | + | + | + | 46
3 1.7 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Pituitary Gland
Pars Distalis, Cyst | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 45
1 1.0 |
| Thyroid Gland
Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46
1 2.0 |
| Infiltration Cellular, Lymphocyte
Follicle, Degeneration | | | 1 | | | 1 | | | | | | 1 | | | | 2 | | | | | | | 3 1.0
6 1.3 |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | 1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Epididymis
Hypospermia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | 44
2 2.0 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 2 | | | | | | | | | 2 | | | 2 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------|-------|--------|
| | 0736 | 0822 | 0743 | 0744 | 0743 | 0730 | 0541 | 0695 | 0704 | 0706 | 0666 | 0706 | 0706 | 0706 | 0706 | 0673 | 0703 | 0703 | 0703 | 0703 | | 0703 | | |
| ANIMAL ID | 006663 | 006674 | 006671 | 006672 | 006673 | 006674 | 006678 | 006682 | 006683 | 006684 | 006688 | 006689 | 006690 | 006691 | 006692 | 006693 | 006694 | 006699 | 006699 | 006699 | 006699 | | | |
| Spermatocele | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Penis | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | 44 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 6 2.8 |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 11 2.6 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 4 1.8 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | 6 2.3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 4 2.3 |
| Duct, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | 6 2.8 |
| Prostate | | | | | | | | | | | | | | | | | | | | | | | | 44 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 7 1.0 |
| Seminal Vesicle | | | | | | | | | | | | | | | | | | | | | | | | 44 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | 4 2.3 |
| Testes | | | | | | | | | | | | | | | | | | | | | | | | 44 |
| Interstitial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Seminiferous Tubule, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 4 3.3 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | | | | | | | | | | | | | | | | | | | | | | | 45 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 9 2.7 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0822 | 0743 | 0744 | 0743 | 0743 | 0740 | 0561 | 0695 | 0744 | 0746 | 0676 | 0747 | 0747 | 0676 | 0747 | 0743 | 0736 | 0736 | 0736 | |
| ANIMAL ID | 0063 | 0064 | 0067 | 0066 | 0067 | 0068 | 0066 | 0066 | 0066 | 0068 | 0068 | 0068 | 0068 | 0069 | 0069 | 0069 | 0069 | 0069 | 0069 | 0069 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | |
| Inguinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|----|-----|
| Lymph Node | | | | | | | | | | | | | | | | | | | | | 5 | | |
| Inguinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | 44 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 5 | 2.0 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | 45 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 13 | 2.2 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 17 | 2.0 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Spleen | | | | | | | | | | | | | | | | | | | | | 45 | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | 15 | 3.7 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 21 | 2.1 |
| Thymus | | | | | | | | | | | | | | | | | | | | | 39 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | 19 | 2.9 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 0 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|--------|----------------|
| | 0736 | 082 | 043 | 043 | 043 | 043 | 000 | 041 | 095 | 004 | 006 | 007 | 006 | 007 | 007 | 006 | 007 | 007 | 003 | 003 | | 006 | 006 | 007 | 007 | 003 | 003 | 006 | 006 |
| ANIMAL ID | 00663 | 00664 | 00667 | 00661 | 00662 | 00663 | 00664 | 00668 | 00668 | 00668 | 00668 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | 00669 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | | | | | | 43 | |
| Cornea, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | | | | | | 44 | |
| Infiltration Cellular, Lymphocyte Acinus, Degeneration | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 2 2.0
1 3.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | | | | | 45 | |
| Cyst | | | 2 | 4 | | | | | | 2 | | | | | | | | | | | | | | | | | | | 3 2.7 |
| Infiltration Cellular, Lymphocyte | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 8 1.4 |
| Nephropathy | 1 | | | 1 | | | | | | 1 | 1 | | 1 | 1 | 1 | | | | | | 1 | 2 | 1 | 1 | | | | 18 1.2 | |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | | | | | | 45 | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Lumen, Dilatation | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | 1 4.0 |

* .. 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| | 0736 | 0736 | 0736 | 0731 | 0733 | 0722 | 0723 | 0729 | 0716 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | 0706 | |
| ANIMAL ID | 00091 | 00092 | 00093 | 00094 | 00090 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | M | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | A | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A |
| Liver
Basophilic Focus
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------|
| | 0736 | 0736 | 0736 | 0731 | 0733 | 0722 | 0739 | 0716 | 0768 | 0766 | 0766 | 0766 | 0744 | 0755 | 0777 | 0777 | 0755 | 0777 | 0777 | 0766 | 0777 | 0766 | 0777 | 0766 | 0777 | | 0755 |
| ANIMAL ID | 00091 | 00092 | 00093 | 00094 | 00090 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 | 00093 | 00094 | 00091 | 00092 |

Hematopoietic Cell Proliferation
 Subcapsular, Hyperplasia

1 1 1 1 1 1 1 1 1 1 2 1 2 1 2 2 2

Adrenal Medulla
 Hyperplasia

+ + + + + + + A + + + + + A + + + + + + + +
 2 1 4 2

Islets, Pancreatic
 Hyperplasia

+ + + + + + + A + + + + + A + + + + + + + +

Parathyroid Gland
 Infiltration Cellular, Lymphocyte

+ + + + + + + M + + + + M M + M + + + + + + +
 1

Pituitary Gland
 Pars Distalis, Cyst

+ + + + + + + M + + + + + + + + + + + + + M
 2

Thyroid Gland
 Infiltration Cellular, Lymphocyte
 Inflammation, Chronic Active
 Follicle, Degeneration

+ + + + + + + A + + + + + + + + + + + + + + +
 2 2

GENERAL BODY SYSTEM

Tissue NOS
 Cyst

+ + + + + + + + + + +

GENITAL SYSTEM

Epididymis
 Atrophy
 Fibrosis
 Hypospermia

+ + + + + + + A + + + + + A + + + + + + + + +

* .. 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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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | |
| ANIMAL ID | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | 00100 | 00101 | 00102 | 00103 | 00104 | 00105 | 00106 | 00107 | 00108 | 00109 | 00110 | 00111 | 00112 | 00113 | 00114 | 00115 |

Spermatocele

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Preputial Gland Cyst | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Degeneration | | 2 | | | | | | | | | | | 2 | | 3 | | | | | | | | | 4 | 4 | 3 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | 1 | | | | | | | | | | | 3 | 3 | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | 3 | | | | | | 2 | | | | | | | | | | | | | | |
| Bilateral, Cyst | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Duct, Ectasia | | | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prostate | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | 1 | | | | | | | | | | | 1 | 1 | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminal Vesicle | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Lumen, Dilatation | | | | | | | | | | | | | | | 4 | | | | | | | 2 | 2 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Testes | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Seminiferous Tubule, Degeneration | | | | | | 1 | | | | | | | 1 | | | | | | | | 2 | | | 1 | 4 | 1 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | 2 | | | 2 | 4 | | | | 2 | 3 | | 2 | | | | | | | | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|---|---|
| Lymph Node | | | | | | | | | | + | | | | | | | | | | | + | | | | + | + |
|------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|--|--|--|---|---|

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) | | |
|--|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------------|---|---|
| | 0736 | 0736 | 0736 | 0731 | 0733 | 0720 | 0662 | 0666 | 0666 | 0666 | 0645 | 0657 | 0677 | 0657 | 0677 | 0677 | 0667 | 0677 | 0667 | 0677 | 0667 | 0677 | 0657 | 0655 | | | | |
| Axillary, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | | |
| Axillary, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | |
| Inguinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Renal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | | |
| Hyperplasia, Lymphoid | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | A | + | + | M | + | + | A | + | + | + | + | + | + | + | + | + | + | + | | |
| Angiectasis | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 | |
| Spleen | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Depletion Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3 | |
| Thymus | + | + | + | + | + | + | + | + | M | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | M | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 |

* .. 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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TDMS No. 20116 - 04
 Test Type: CHRONIC
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 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
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 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|--------------------|
| | 0
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2 | 0
6
9
6 | 0
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8 | 0
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5 | 0
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| ANIMAL ID | 0
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INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| Skin | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Fibrosis | | | | | 4 | | | | | | | | | | | | | | | | | 4 | | |
| Hyperplasia, Basal Cell | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Inflammation, Suppurative | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | 1 | | 2 | | | | | | | | | | | | 2 | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | 2 | | | | | | | | | | 2 | | |
| Epithelium, Hyperplasia | | | | | | | | 2 | | 2 | | | | 2 | | | | | | | | 2 | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Mineralization | 1 | | | | 1 | | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | | | | | | | 1 | 1 | 1 | 1 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Gallbladder | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 20 | 1.6 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 12 | 1.5 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | 21 | 1.7 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 | 1 | 3.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | |
| Basophilic Focus | | | X | | | | | | | | | | | | | | | | | | | X | 5 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | 1 | | 2 | 1.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1.0 | |

* .. 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | 0736 |
| ANIMAL ID | ALOEWOLLEAF 2.0 | | | | | | | | | | | | | | | | | | | | | |
| | 00492 | 00493 | 00494 | 00495 | 00496 | 00497 | 00498 | 00499 | 00500 | 00501 | 00502 | 00503 | 00504 | 00505 | 00506 | 00507 | 00508 | 00509 | 00510 | 00511 | 00512 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|-----|-----|
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 | 1.3 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.5 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.3 |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | 46 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.2 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | 45 | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | 45 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.7 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-----|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | 47 | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | | 46 | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--|

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------------------------------|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00496 | 00497 | 00498 | 00499 | 00500 | 00501 | 00502 | 00503 | 00504 | 00505 | 00506 | 00507 | 00508 | 00509 | 00510 | 00511 | 00512 | |
| Hematopoietic Cell Proliferation
Subcapsular, Hyperplasia | | | 1 | | | | | | | | | | | | | | | | | | | 1 1.0
32 1.5 |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46
5 2.0 |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46
1 2.0 |
| Parathyroid Gland
Infiltration Cellular, Lymphocyte | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 42
1 1.0 |
| Pituitary Gland
Pars Distalis, Cyst | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 45
4 2.5 |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Follicle, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47
1 2.0
2 1.0
3 1.3 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS
Cyst | | | | | | | | | | | | | | | | | | | | | | 3
1 4.0 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Atrophy
Fibrosis
Hypospermia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46
1 2.0
1 2.0
2 2.5 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-------|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00496 | 00497 | 00498 | 00499 | 00500 | 00501 | 00502 | 00503 | 00504 | 00505 | 00506 | 00507 | 00508 | 00509 | 00510 | 00511 | 00512 | | |
| Spermatocele | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 5 | 1.8 |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | 10 | 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 4 | 2.3 |
| Inflammation, Suppurative | 3 | | | | | | | | | | | | | | | | | | | | | 6 | 3.3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 4 | 2.5 |
| Bilateral, Cyst | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Duct, Ectasia | | | | | | | | | | | | | | | | | | | | | | 3 | 3.7 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 6 | 1.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | 4 | 2.8 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| Seminiferous Tubule, Degeneration | | | | | | | | | | | | | | | | | | | | | | 11 | 2.0 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 13 | 2.3 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | 9 | |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-----|-----|-----|-----|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | | | | |
| ANIMAL ID | ALOEWOLLEAF 2.0 | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
| 00492 | 00493 | 00494 | 00495 | 00496 | 00497 | 00498 | 00499 | 00500 | 00501 | 00502 | 00503 | 00504 | 00505 | 00506 | 00507 | 00508 | 00509 | 00510 | 00511 | 00512 | | 00513 | | | | |
| Axillary, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 | | | |
| Axillary, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 3 | 2.7 | | | |
| Inguinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Renal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | 1 | | | | | | | 1 | 4 | 1.0 | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | 2 | | | | | | | 1 | 2.0 | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 2.5 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | 10 | 2.4 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | 17 | 2.2 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2.5 | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2.0 | |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | 4 | 2.8 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Depletion Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 18 | 3.5 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | 20 | 2.3 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 1 | 2.0 | |
| Thymus | + | M | + | + | + | M | + | + | + | M | + | + | M | + | M | + | + | + | + | + | M | + | + | 37 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 17 | 3.1 |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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TDMS No. 20116 - 04
 Test Type: CHRONIC
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 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|-------------|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| 7 | 7 | 4 | 7 | 3 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 5 | 7 | 4 | 6 | 7 | 7 | 7 | |
| 3 | 3 | 7 | 3 | 6 | 1 | 1 | 3 | 3 | 6 | 9 | 6 | 3 | 3 | 0 | 2 | 5 | 4 | 9 | 3 | 3 | 3 | |
| 6 | 6 | 2 | 6 | 5 | 1 | 1 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 0 | 7 | 7 | 9 | 7 | 6 | 6 | 6 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | |
| 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 0 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Fibrosis | | 4 | | 4 | | | | | | | | | | | | | | | | | | | 4 4.0 |
| Hyperplasia, Basal Cell | | | | | | | | | | | | | | | | | | | 1 | | | | 1 4.0 |
| Inflammation, Suppurative | | 3 | | | | | | | | | | | | | | | | | | | | | 3 2.0 |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | 3 | | | | | | | | | | | | | | | | | | | 4 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mineralization | | | | | | | | | | | | | | | | | | 3 | | | | | 1 3.0 |
| Ulcer | | 4 | | 4 | | | | | | | | | | | | | | | | | | | 4 3.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | 3 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Mineralization | | 1 | | 1 | | | 2 | 1 | | | | | 1 | 1 | | | 1 | | 1 | 1 | 1 | | 24 1.1 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0736 | 0736 | 0742 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| ANIMAL ID | 00492 | 00493 | 00494 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 | 00495 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--------|
| Lung | + | | | | | | | | | | | | | | | | | | | | 46 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 4 1.8 |
| Nose | + | | | | | | | | | | | | | | | | | | | | 47 | |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | 39 2.0 |
| Posterior To Upper Incisor, Dysplasia | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Trachea | + | | | | | | | | | | | | | | | | | | | | 46 | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-------|
| Eye | + | | | | | | | | | | | | | | | | | | | | 44 | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Harderian Gland | + | | | | | | | | | | | | | | | | | | | | 46 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--------|
| Kidney | + | | | | | | | | | | | | | | | | | | | | 46 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | 3 3.3 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 10 1.3 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Nephropathy | | | | | | | | | | | | | | | | | | | | | | 17 1.2 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-------|-------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | 0736 | |
| ANIMAL ID | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 1 | | 1 | | | | | | | | | | 2 1.0 | |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |

* .. 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| | 0431 | 0436 | 0452 | 0457 | 0464 | 0469 | 0476 | 0481 | 0488 | 0493 | 0500 | 0505 | 0512 | 0517 | 0524 | 0529 | 0536 | 0541 | 0548 | 0553 | 0560 | 0565 | 0572 | 0577 | |
| ANIMAL ID | 00031 | 00032 | 00033 | 00034 | 00041 | 00042 | 00043 | 00044 | 00047 | 00048 | 00051 | 00052 | 00053 | 00054 | 00057 | 00058 | 00061 | 00062 | 00063 | 00064 | 00065 | 00068 | 00069 | 00071 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | M | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | M | + | + | + | + | A | + |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Rectum | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | A | + |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + |
| Liver
Angiectasis
Basophilic Focus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |

* .. 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
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 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
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 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
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| ANIMAL ID | 0
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|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Heart
Cardiomyopathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Accessory Adrenal Cortical Nodule | | | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 1 | | | 2 | 1 | 2 | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | 2 | 1 | 2 | 1 | 1 | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Hyperplasia | | | | | | 2 | 2 | | | | 3 | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | 2 | 4 | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | M | M | + | + | + | M | + | + | + | + | + | A | M | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | A | + |
| Pars Distalis, Cyst | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Follicle, Degeneration | | | | | | 1 | | | | | | | | | | | 2 | | | | | | | | | | 2 |

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:
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TDMS No. 20116 - 04
 Test Type: CHRONIC
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 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|-----------------------|------------------|
| | 0
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9 | 0
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4 | 0
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6 |
| | 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
3
1 | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis
Inflammation, Chronic Active
Serosa, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland
Cyst
Degeneration
Infiltration Cellular, Lymphocyte
Inflammation, Suppurative
Fat, Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | 2 | | 3 | | 3 | | | | | | | 3 | | 3 | | 2 | 2 | 3 | | 2 | | 3 |
| Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + |
| | | | | 1 | | | | | | | | 1 | | | | | | | | 1 | | | |
| Seminal Vesicle
Lumen, Dilatation | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + |
| | | | | 2 | | | | 3 | | | | | | | | | 2 | | | | | | |
| Testes
Interstitial Cell, Hyperplasia
Seminiferous Tubule, Degeneration | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + |
| | | | | | | | | | | | | | | | | | | | | | | 2 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | | | 3 | | | | 3 | | 4 | | 3 | | | | | | | | 3 | | | |
| Lymph Node | | | | | | + | + | | | | | + | | | | | | | | | | | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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TDMS No. 20116 - 04
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|--------------------|--------------------|
| | 0
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9 | 0
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7 | 0
7
3
6 | 0
5
3
5 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
3
6
5 | 0
7
3
3 | 0
5
0
3 | 0
1
1
5 | 0
7
3
6 | | |
| | 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
3
1 | males
(cont...) | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Infiltration Cellular, Lymphocyte
Alveolar Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | 2 | | | | | | | | | 2 | | | | | | | | | | | 2 | | |
| Nose
Hyaline Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | 2 | | | | | | | | | 1 | | 2 | | 3 | 3 | | | | 1 | 1 | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye
Cataract | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + |
| | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Harderian Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Acinus, Degeneration
Acinus, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + |
| | | | | 2 | | | | | | | | | | | 1 | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney
Cyst Multilocular
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Nephropathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |
| | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| | | | | 2 | | 1 | 1 | | 1 | | 1 | | | | 2 | 1 | | 1 | | | | | | |
| | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| | | | | | | | | | 1 | | 2 | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| Urethra | | | | | | | | + | | | | | | | | | | | | | | | | |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| ANIMAL ID | 00552 | 00553 | 00554 | 00571 | 00572 | 00573 | 00574 | 00577 | 00578 | 00579 | 00580 | 00581 | 00582 | 00583 | 00584 | 00585 | 00586 | 00587 | 00588 | 00589 | 00590 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 47 | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 43 | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 42 | |
| | | 2 | 1 | | 2 | | | | 2 | | | | 2 | 2 | 1 | | | | | | | 1 | | | 19 1.6 | |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 43 | |
| | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 1.0 | |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 43 | |
| | | | 1 | | 1 | | | | | | | | 1 | 1 | 1 | | | | | | | | | | 17 1.4 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | A | + | A | + | 42 |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 43 | |
| | | 2 | 1 | | 2 | | | | 2 | | 1 | 2 | 2 | 2 | 1 | | | | | | | | 1 | | 22 1.6 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 43 | |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 43 | |
| | | | | | | | | | | | | | | | | | | | | | 2 | | | | 1 2.0 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Basophilic Focus | | | | | | | | | | | | X | | | | | | | X | | | | | | 5 | |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-----|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | | 0768 | |
| ANIMAL ID | 00552 | 00553 | 00554 | 00571 | 00572 | 00573 | 00574 | 00578 | 00579 | 00583 | 00584 | 00588 | 00589 | 00590 | 00591 | 00592 | 00593 | 00594 | 00598 | 00599 | 00603 | | |
| Basophilic Focus, Multiple Cyst | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | 4 | 1.3 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Karyomegaly | | | | | | | | | | | | | | | | | | | | | | 4 | 4.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Mesentery Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | 4 | 3.0 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | 45 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 4 | 1.5 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | 45 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 29 | 1.2 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | 44 | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | 45 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | 47 | |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | |
| ANIMAL ID | 0052 | 0053 | 0054 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 | 0057 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 | |
| Accessory Adrenal Cortical Nodule | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Hypertrophy | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 2.0 | |
| Subcapsular, Hyperplasia | 4 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | | | | 2 | 1 | 2 | 1 | | 2 | | 2 | 1 | 1 | 35 1.5 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | A | + | + | + | 44 | |
| Hyperplasia | | | | | | | | | | | | 2 | | | | | | | | | | | | 4 2.3 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 41 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 45 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 | |
| Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | 4 1.5 | |

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 |
| ANIMAL ID | 00552 | 00553 | 00554 | 00571 | 00572 | 00573 | 00574 | 00575 | 00576 | 00577 | 00578 | 00579 | 00580 | 00581 | 00582 | 00583 | 00584 | 00585 | 00586 | 00587 | 00588 | 45 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|--------|-------|
| Epididymis
Inflammation, Chronic Active
Serosa, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 | 1 2.0 | 1 2.0 | |
| Preputial Gland
Cyst
Degeneration
Infiltration Cellular, Lymphocyte
Inflammation, Suppurative
Fat, Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 | 4 2.5 | 17 2.8 | |
| | 2 | 3 | 4 | | | | | 4 | 2 | | | | 2 | | | 3 | | | | | 3 | 4 | 2 | | 5 1.8 | 1 2.0 | 1 4.0 |
| Prostate
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | 44 | 6 1.0 | 1 1.0 | |
| Seminal Vesicle
Lumen, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | 5 2.2 | | |
| Testes
Interstitial Cell, Hyperplasia
Seminiferous Tubule, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | 1 1.0 | 3 2.0 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 45 | 7 3.3 |
| Lymph Node | | | | | | + | | | | | | | | | + | | | | | | + | | | 7 | |

* .. 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
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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---|-----|-----|-----|-----|-----|
| | 0
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1
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9 | 0
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3
6 | | 0
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6 | | | | | | | | |
| ANIMAL ID | 0
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0
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3 | 0
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4 | | | | | | | |
| Axillary, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | | | | |
| Inguinal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | | | |
| Inguinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Lumbar, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 | 4.0 | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | | |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | |
| Pancreatic, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | |
| Pancreatic, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | |
| Renal, Erythrophagocytosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 | 4.0 | |
| Renal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 | 2.0 | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 11 | 2.2 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | 2 | 23 | 2.3 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 4 | 2.8 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 4.0 |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 | 3.0 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | 14 | 3.4 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 2 | 22 | 2.5 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|--|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | | |
| ANIMAL ID | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Thymus Atrophy | + | + | | + | + | + | + | + | + | + | + | M | + | + | + | M | + | M | + | M | + | + | + | 40 | | |
| Hyperplasia, Lymphoid | | | 2 | | 2 | 2 | 2 | 4 | | 1 | | | | 2 | 4 | | 4 | | | 4 | 2 | | | | 23 | 2.7 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 1 | | |
| Skin Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 1 | 4.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.3 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | | | 4 | 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 | | |
| Brain, Cerebrum Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 43 | 24 | 1.2 |

RESPIRATORY 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------------------|--|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | | 0768 | |
| ANIMAL ID | 00552 | 00553 | 00554 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | 00557 | | |
| Lung
Infiltration Cellular, Lymphocyte
Alveolar Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47
1 2.0
2 2.0 | |
| Nose
Hyaline Droplet | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47
13 1.8 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 45 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye
Cataract | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 43
1 1.0 |
| Harderian Gland
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Acinus, Degeneration
Acinus, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 44
2 1.5
1 1.0
1 2.0
1 2.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney
Cyst Multilocular
Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Nephropathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 45
1 4.0
12 1.3
1 2.0
20 1.3 |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE MALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|-------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | | 0768 | | |
| ANIMAL ID | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | 0051 | 0052 | 0053 | 0054 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 44 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

*** END OF MALE DATA ***

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | 0750 | | 0750 | |
| ANIMAL ID | 00732 | 00733 | 00734 | 00741 | 00742 | 00743 | 00744 | 00751 | 00752 | 00753 | 00754 | 00751 | 00752 | 00753 | 00754 | 00751 | 00752 | 00753 | 00754 | 00751 | 00752 | 00753 | 00754 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 45 | | |
| Gallbladder | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 42 | | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 43 | 1 | 1.0 |
| Intestine Large, Cecum
Hyperplasia, Lymphoid
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 42 | 1 | 1.0 |
| | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1.0 |
| Intestine Large, Descending Colon | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 43 | | |
| Intestine Large, Rectum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 43 | | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 42 | 2 | 1.0 |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 43 | | |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 42 | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | 42 | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | |
| Basophilic Focus | | | | | | | X | | | | | | | | | | | | | | | | | 1 | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |

* .. 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|--|
| | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
5
3
0 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
6
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
6
3
6 | 0
7
3
6 | 0
6
3
6 | 0
7
3
6 | 0
5
3
4 | 0
7
3
6 | | 0
7
3
6 | | |
| ANIMAL ID | 0
0
7
3
2 | 0
0
7
3
2 | 0
0
7
3
4 | 0
0
7
3
1 | 0
0
7
4
2 | 0
0
7
4
3 | 0
0
7
4
4 | 0
0
7
4
1 | 0
0
7
5
2 | 0
0
7
5
3 | 0
0
7
5
4 | 0
0
7
6
1 | 0
0
7
6
2 | 0
0
7
6
3 | 0
0
7
6
4 | 0
0
7
8
1 | 0
0
7
8
1 | 0
0
7
8
1 | 0
0
7
8
2 | 0
0
7
8
3 | 0
0
7
8
4 | 0
0
7
8
1 | | |
| Infiltration Cellular, Lymphocyte
Inflammation, Chronic Active
Mixed Cell Focus
Necrosis
Pigmentation
Tension Lipidosis
Vacuolization Cytoplasmic
Oval Cell, Hyperplasia | | | | | | | | | 1 | | | 1 | 1 | | | | | | | 4 | | | | 10 1.8
6 1.7
1
3 2.3
1 2.0
7 1.6
12 1.5
1 3.0 |
| Mesentery
Fat, Hemorrhage
Fat, Necrosis | | | | | + | | | | | | | | | | | | | + | | | | | 6 | 1 4.0
6 2.8 |
| Oral Mucosa | | | | | + | | | | | | | | | | | | | | | | | | 1 | |
| Pancreas
Infiltration Cellular, Lymphocyte
Vacuolization Cytoplasmic
Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | 42 | 11 1.5
1 1.0
1 4.0 |
| Salivary Glands
Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 43 | 29 1.6 |
| Stomach, Forestomach
Keratin Cyst | | | | | | | | | | | | | | | | | | | | | | | 43 | 1 |
| Stomach, Glandular
Cyst | | | | | | | | | | | | | | | | | | | | | | | 43 | 1 2.0 |

CARDIOVASCULAR SYSTEM

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

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0750 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | | |
| ANIMAL ID | 00732 | 00733 | 00734 | 00741 | 00742 | 00743 | 00744 | 00751 | 00752 | 00753 | 00754 | 00761 | 00762 | 00763 | 00764 | 00771 | 00772 | 00773 | 00774 | 00781 | 00782 | 00783 | 00784 |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 45 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 45 |
| Cardiomyopathy | | | | | 1 | | | | | | | | | | | | | | | | | | 4 1.3 |
| Mineralization | | | | | | | | | | | | | | 1 | | | | | | | | | 1 1.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 44 |
| Vacuolization Cytoplasmic | | | | | 2 | 4 | | | | | | | | | | | | | | | 2 | | 4 2.5 |
| Subcapsular, Hyperplasia | 2 | 2 | 2 | 1 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 43 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 44 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Islets, Pancreatic | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 42 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Parathyroid Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | A | + | + | M | + | + | + | 42 |
| Pituitary Gland | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 43 |
| Pars Distalis, Hyperplasia | | | | | | 2 | | | | | | | 1 | 3 | | | | | | | | 1 | 7 1.6 |
| Thyroid Gland | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 43 |
| Ectopic Thymus | | | | | X | | | | | | | | | | | | | | | | | | 2 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 1 | | | | | | | | 3 1.3 |
| Follicle, Degeneration | | | | | | | | | | | | | | | | | | | | | | 1 | 6 1.5 |
| Follicular Cell, Hyperplasia | | | | | | 2 | | | | | | | | | | | | | | | | | 3 3.0 |
| Follicular Cell, Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |

* .. 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
CONTROL WATER | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|---|-----|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|----|-----|-----|
| Lumbar, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.5 | | | | | | | | | | | | | | | | | | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 2.5 | | | | | | | | | | | | | | | | | | | |
| Renal, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular Hyperplasia, Lymphoid | M | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | 43 | 11 | 1.8 | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2 | 1 | 2.0 | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | 1 | 4.0 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | | 1 | | | | | | | | | | | | | | | 10 | 2.0 | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Spleen Fibrosis, Stromal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 1 | 4.0 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | 3 | | 3 | | 3 | | 3 | | 3 | | | | | 4 | 2 | 2 | 2 | | 16 | 3.1 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 4 | 2 | | 2 | | 2 | 3 | 3 | | 3 | | | | | | 3 | | 3 | 3 | | 20 | 2.7 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.0 |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Thymus Atrophy | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | 41 | 10 | 3.1 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 4 | | | 2 | 3 | | 4 | | 2 | 3 | | | | | | | | | | 8 | 2.3 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | 3 | | | | | 1 | 2.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 44 |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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8 | 0
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GENITAL SYSTEM

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Degeneration | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | |
| | 4 | 3 | 3 | 4 | 4 | 2 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 2 | |
| Ovary
Atrophy
Autolysis
Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | |
| | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | 4 | |
| | 3 | | 4 | | 2 | | 4 | | | 4 | | | | 2 | | | | 2 | 3 | 2 | 4 | 4 | | | |
| Uterus
Hydrometra
Thrombus
Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | | |
| | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | | 2 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | | 3 | 3 | 2 | 2 | 2 | 3 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node
Axillary, Infiltration Cellular, Polymorphonuclear
Lumbar, Infiltration Cellular, Polymorphonuclear | | | | | + | | | | | + | | | M | + | | | + | + | | | | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular
Amyloid Deposition
Hyperplasia, Lymphoid
Infiltration Cellular, Lymphocyte
Infiltration Cellular, Plasma Cell | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | 1 | 2 | | 2 | | | 1 | | | 2 | 1 | |
| | | | 1 | | | | | | | | | | | | | | | | | | | | | 2 |

* .. 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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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|
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3 | 0
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6 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001131 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001132 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001133 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001134 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001135 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001136 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001137 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001138 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001139 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001140 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001141 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001142 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001143 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001144 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001145 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001146 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001147 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001148 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001149 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001150 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mesenteric
Amyloid Deposition
Hemorrhage
Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | | |
| Spleen
Amyloid Deposition
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid
Pigmentation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + | + |
| Thymus
Amyloid Deposition
Atrophy
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | A | + | + | + | + | + | M | + | + | + | + | + | + | + | A | + | + |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland
Alveolus, Hyperplasia | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur
Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Skeletal Muscle | | | + | | | | | | | | | | | | | | | | | | | | | |

* .. 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:
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 Aloe vera whole leaf extract (native)
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| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
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Phthisis Bulbi | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| Harderian Gland
Infiltration Cellular, Lymphocyte
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| | | | | 1 | 1 | | | | | | 2 | | | 1 | | | | | | | | 1 | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney
Amyloid Deposition
Cyst, Multiple
Hyaline Droplet
Infiltration Cellular, Lymphocyte
Nephropathy
Pelvis, Dilatation
Pelvis, Mineralization
Transitional Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | 4 | | 4 | | |
| | 1 | 1 | | | | | 1 | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | | 2 | 1 | |
| | | | | | | | | | | | 1 | | | | | | | | | | | 4 | | | | |
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| | | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Urinary Bladder
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | |
| | 1 | 1 | | | | 2 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | | 1 | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|
| | 0601 | 0728 | 0738 | 0645 | 0736 | 0577 | 0776 | 0676 | 0655 | 0676 | 0773 | 0773 | 0773 | 0773 | 0773 | 0473 | 0773 | 0773 | 0677 | 0678 | | 0776 | 0776 | 0677 | 0773 | 0676 | 0773 |
| ANIMAL ID | 00282 | 00288 | 00284 | 00241 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 |
| | 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 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---|---|--------------|---------------|
| Esophagus | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 46 | |
| Gallbladder | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 43 | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 43 | |
| | | | | | 1 | | | | 1 | | | | 1 | | | 1 | | | | | 1 | | | | | | | | 15 1.2 |
| Intestine Large, Cecum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 43 | |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 43 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 4 1.3 |
| Intestine Large, Rectum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 43 | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | A | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 42 | |
| | | | | | 1 | | | | 2 | | | | 1 | | | 1 | | | | | 1 | | | | | | 1 | 1 | 18 1.2 |
| Intestine Small, Duodenum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 43 | |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 43 | |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 43 | |
| Liver | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | | | | | 44 | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Cytomegaly | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | | | | | | | 1 | | | 1 | | | | | | | 2 | | | 6 1.2 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
| | 0601 | 0728 | 0736 | 0645 | 0737 | 0573 | 0773 | 0776 | 0645 | 0765 | 0773 | 0773 | 0773 | 0773 | 0773 | 0473 | 0773 | 0773 | 0773 | 0676 | | 0773 |
| ANIMAL ID | 00282 | 00283 | 00284 | 00281 | 00287 | 00287 | 00288 | 00284 | 00284 | 00288 | 00288 | 00288 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 4 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 3 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | 2 |
| Vacuolization Cytoplasmic | | | | | | | | 1 | 1 | | | | | | | | | | | | | 2 |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | + |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | 3 |
| Pancreas | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 2 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | 1 |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | 2 |
| Salivary Glands | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Keratin Cyst | | | | | | | | | | | | | | | | | | | | | | X |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Glandular | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 3 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------|----------------|
| | 06
00
01 | 07
02
08 | 07
03
06 | 06
04
05 | 07
03
06 | 05
07
06 | 07
03
06 | 07
06
06 | 06
04
05 | 07
03
06 | 07
07
03 | 07
07
06 | 07
07
06 | 07
07
06 | 07
07
06 | 04
03
06 | 07
03
06 | 07
03
06 | 07
03
06 | 06
07
06 | | 07
03
06 |
| ANIMAL ID | 00282 | 00228 | 00228 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00244 | 00266 | 00266 | 00266 | 00266 | 00266 | 00241 | 00233 | 00233 | 00233 | 00243 | 00243 | 00243 |

Cardiomyopathy

2 1.0

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|-----|
| Adrenal Cortex
Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 4 | 2.3 | 43 | 1.9 |
| Adrenal Medulla | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 42 | | | | |
| Islets, Pancreatic
Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 5 | 1.8 | | |
| Parathyroid Gland
Cyst | A | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | A | M | + | + | + | 37 | 1 | 1.0 | | |
| Pituitary Gland
Pars Distalis, Hyperplasia | A | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | 38 | 8 | 1.4 | | |
| Thyroid Gland
Cyst | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 1 | 2.0 | | |
| Ectopic Thymus | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | | 1.0 | |
| Follicle, Degeneration | | | | | | 1 | | | | | 2 | 1 | | | | | | | | | | | | 10 | 1.3 | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | 2 | | | | | | | 1 | 2.0 | | |

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|
| | 0601 | 0728 | 0736 | 0744 | 0753 | 0773 | 0776 | 0766 | 0774 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | |
| ANIMAL ID | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 | 00281 | 00282 | 00283 | 00284 |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | |
| | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 4 | 1 | 1 | 1 | 1 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Clitoral Gland Degeneration | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 44 | |
| | | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 44 | 3.8 |
| Ovary Atrophy | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 | |
| | | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 39 | 3.9 |
| Ovary Autolysis | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Ovary Cyst | | | | | 2 | 2 | | | | 4 | 2 | 4 | | | | | | | 4 | | 3 | | 18 | 3.1 |
| Uterus Hydrometra | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 45 | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Uterus Thrombus | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Uterus Endometrium, Hyperplasia, Cystic | | 3 | 3 | 1 | 2 | 3 | 4 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 1 | 2 | 2 | 44 | 2.8 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|--|
| Bone Marrow Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | | |
| | | 2 | | | | | | | | | | | | | | | | | | | | | 5 | 2.8 | |
| Lymph Node Axillary, Infiltration Cellular, Polymorphonuclear | + | + | + | | | | | | + | + | + | | | | | | | | + | + | | | 15 | | |
| | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Lymph Node Lumbar, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Lymph Node, Mandibular Amyloid Deposition | A | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | A | + | + | + | + | 44 | |
| | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Lymph Node Hyperplasia, Lymphoid | | | | | 2 | | | | 1 | 1 | | | | | | | | | | | 1 | 2 | 13 | 1.5 | |
| Lymph Node Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Lymph Node Infiltration Cellular, Plasma Cell | | | | | 3 | | | | | | | | | | | | | | | | | | 2 | 2.5 | |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
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Date Report Requested: 01/15/2010
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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0601 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | 0708 | |
| ANIMAL ID | 00282 | 00283 | 00284 | 00281 | 00287 | 00283 | 00286 | 00286 | 00285 | 00286 | 00283 | 00283 | 00286 | 00286 | 00280 | 00283 | 00283 | 00282 | 00283 | 00286 | 00286 |
| | 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 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 |
| | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 1 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | 1 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|--------|
| Lymph Node, Mesenteric
Amyloid Deposition | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 45 | 1 2.0 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 | |
| Hyperplasia, Lymphoid
Infiltration Cellular, Plasma Cell | | | | | | | | | | | 2 | | | | 2 | | | | | 2 | 2 | | 12 1.8 | |
| | | | | | | 3 | | | | | | | | | | | | | | | | | 2 2.5 | |
| Spleen
Amyloid Deposition | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 | 1 3.0 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | 13 2.8 |
| Hyperplasia, Lymphoid
Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | 23 2.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | 4 2.0 |
| Thymus
Amyloid Deposition | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | 1 2.0 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 14 2.4 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 7 1.9 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Mammary Gland
Alveolus, Hyperplasia | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 3 1.7 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone, Femur
Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 46 | 1 3.0 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 1.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 061 | 072 | 073 | 064 | 075 | 077 | 077 | 066 | 077 | 067 | 077 | 077 | 077 | 077 | 047 | 077 | 077 | 077 | 066 | 077 | |
| ANIMAL ID | 00282 | 00022 | 00022 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00066 | 00066 | 00066 | 00066 | 00066 | 00033 | 00033 | 00033 | 00044 | 00044 | 44 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Brain, Brain Stem
Compression | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 44 | 1 | 1.0 |
| Brain, Cerebellum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 44 | | |
| Brain, Cerebrum
Mineralization | A | | | | | | | | | | | | | | | | | | A | + | + | + | + | 44 | 30 | 1.1 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Lung
Hemorrhage | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 45 | 1 | 4.0 |
| Infiltration Cellular, Histiocyte | | | | 2 | | 2 | | | | | | | | | | | | | | 3 | | | | 4 | 2.0 | |
| Infiltration Cellular, Lymphocyte | | | | | 1 | | | | | | | | | | | | | | | | | | | 2 | 1.5 | |
| Inflammation, Chronic | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 1.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 1.0 | |
| Nose
Hyaline Droplet | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 44 | 12 | 1.2 |
| Trachea | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 44 | | |

SPECIAL SENSES 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | |
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ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| | | | | | 1 | | | | | 2 | 1 | | | | | | 2 | | 1 | 1 | | 2 | |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | 1 | | | | | | | 2 | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | A | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| | | | | | 1 | | | | | 1 | | | | | | | 2 | 1 | 1 | 1 | 1 | | 2 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | A | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Liver
Basophilic Focus
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 1 | | | | 1 | 2 | 2 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------|----------------------|
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Infiltration Cellular, Lymphocyte
 Inflammation, Chronic Active
 Follicle, Degeneration
 Follicular Cell, Hyperplasia

1 1 1 1 1 1 3

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland
Degeneration | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| Ovary
Atrophy
Cyst
Cyst, Multiple
Hemorrhage | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | | 4 | 4 | 4 | | 4 | 4 | | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Uterus
Angiectasis
Thrombus
Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | | 2 | 2 | 3 | | 4 | 3 | 3 | 3 | 2 | 4 | 2 | | 4 | 3 | 2 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Lymph Node | | | | | | | | | | | + | | A | + | + | | A | | + | | | | | | + |

* .. 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:
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TDMS No. 20116 - 04
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 Species/Strain: MICE/B6C3F1/NCTR

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 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
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Fat, Necrosis 3

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | 1 | | | | | | | | | | 2 | | | | | | | | | | |
| Skeletal Muscle | | | | | | | + | | | | | | | | | + | | | | | | | | |
| Diaphragm, Inflammation, Chronic Active | | | | | | | 4 | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Compression | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Mineralization | 1 | | | 1 | | 1 | | | | | 1 | | | | 2 | | 1 | 1 | 2 | | | 1 | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Autolysis | | | | | | | | | | | | | | | | | 4 | | | | | | |
| Infiltration Cellular, Histiocyte | 1 | | | | 3 | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Nose | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) | |
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| Hyaline Droplet | 1 | 1 | 1 | | | 1 | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | | 1 | |
| Trachea | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | 1 | 2 | | | 1 | 1 | 1 | | | | 1 | | | | 1 | | 1 | 1 | 1 | | 1 | | 2 | |
| Metaplasia, Osseous | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | |
| Pelvis, Dilatation | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Lymphocyte | | | 1 | 2 | | | 1 | | | | | | | | | 1 | | 1 | 1 | | 1 | | 2 | 2 | 1 | |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0736 | 0736 | 0736 | 0661 | 0668 | 0776 | 0777 | 0777 | 0777 | 0777 | 0556 | 0677 | 0677 | 0556 | 0776 | 0776 | 0666 | 0677 | 0666 | 0666 | | 0666 |
| ANIMAL ID | 00522 | 00523 | 00524 | 00061 | 00062 | 00066 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 44 |
| | 2 | 2 | 2 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 20 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 1.3 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Esophagus | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Gallbladder | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| | | | | 1 | | 1 | 2 | 2 | 1 | | | | 1 | 1 | 1 | | 1 | 2 | | 1 | 1 | 20 |
| | | | | | | | | | | | | | | | | | | | | | | 1.3 |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| | | | | | | | | | | | | | | 2 | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | 1.5 |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| | | | | | | 1 | 1 | 2 | 1 | | | | | | | | 2 | | | | | 7 |
| | | | | | | | | | | | | | | | | | | | | | | 1.4 |
| Intestine Large, Rectum | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| | | | | 1 | | 1 | 2 | 2 | 1 | | | | | 2 | 1 | | 1 | 2 | | 1 | 1 | 23 |
| | | | | | | | | | | | | | | | | | | | | | | 1.3 |
| Intestine Small, Duodenum | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Small, Ileum
Hyperplasia, Lymphoid | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | 3.0 |
| Intestine Small, Jejunum | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 44 |
| Liver
Basophilic Focus
Infiltration Cellular, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| | | | | | | | | | | | | | X | | | | | | | | | 1 |
| | | | | | | | | | 2 | | | | | | | | | 2 | | | | 6 |
| | | | | | | | | | | | | | | | | | | | | | | 1.7 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|--------|
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| ANIMAL ID | 0
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3 | 0
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4 | | |
| Inflammation, Chronic Active
Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4 1.3 |
| Necrosis | | | | | | | | | | 2 | | | | 4 | | | | | | | | | | | 2 3.0 |
| Pigmentation | | | | | | | | | | | | | | | | | | | | 2 | | | | | 1 2.0 |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | 1 | | | | | | | 2 1.0 |
| Vacuolization Cytoplasmic
Parenchyma, Degeneration | | | | | | | 1 | | | | | | | | 2 | 1 | | | | 2 | 1 | 2 | | 12 1.4 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | + | 9 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 8 3.1 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | + | 44 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | + | 13 1.2 |
| Acinus, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | + | 1 2.0 |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | | + | 1 4.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | + | 44 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | + | 31 1.4 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | + | 45 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | + | 1 2.0 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | + | 45 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | + | 3 2.3 |

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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| ANIMAL ID | 0
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4 |
| Blood Vessel | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | 1 | 3 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | 4 | | | | | | | | | 1 4.0 |
| Subcapsular, Hyperplasia | 2 | 3 | 2 | 2 | | 2 | 2 | 2 | 2 | | | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 43 2.0 |
| Adrenal Medulla | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Islets, Pancreatic | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Hyperplasia | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Parathyroid Gland | + | + | + | + | A | M | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 42 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Pituitary Gland | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | M | M | + | + | + | 41 |
| Thrombus | | | | | | | | | | | | | | 3 | | | | | | | | | 1 3.0 |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | 2 | | | | 1 2.0 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | 4 | 1 | | | | | | 4 | 2 | 10 2.2 |
| Pars Intermedia, Angiectasis | | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 |
| Thyroid Gland | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|---|---|-----|---|--|---|---|---|---|---|---|---|--|---|---|----|-----|-----|-----|
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | | | | | | | | | | | | | | | | | | | |
| Lumbar, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 3 | 1 | 2.0 | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 1 | | 2 | | 1 | | 3 | | 2 | | | | | | | | | | 14 | 1.8 | | |
| Spleen | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | 3 | 4 | | | | | | | | | 9 | 3.3 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | 4 | | 2 | | 3 | 4 | | 3 | 3 | 4 | 3 | | | | | 21 | 2.9 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | 1 | 4.0 | |
| Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 2.3 |
| Thymus | + | + | + | + | + | + | + | + | + | A | + | + | M | + | + | + | + | + | + | + | 43 | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | 4 | | 3 | | | | | 2 | 4 | | | | | | | | | | 17 | 2.4 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | | | | 2 | 2 | | | | | 2 | | | | 2 | | 2 | 2 | | | 8 | 1.9 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----|-----|
| Mammary Gland | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 44 | | | | | | | | | | | | | | | | | | | | | |
| Galactocele | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lactation | | | | | | | | | | | | | | | | | | | | | 2 | | | | 2 | | | | | | | | | | | | | | | | 2 | 2.0 |
| Alveolus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 3 | 1.7 |
| Skin | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 45 | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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 M .. Missing tissue
 A .. Autolysis precludes evaluation
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 1-4 .. Lesion qualified as:
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TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 3 |
| 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 5 | 3 | 3 | 3 | 3 | |
| 6 | 6 | 6 | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 8 | 0 | 6 | 6 | 7 | 6 | 6 | 8 | 6 | 5 | 6 | 6 | 6 | 6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 2 |
| 2 | 2 | 2 | 9 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 4 |

Fat, Necrosis 1 3.0

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Diaphragm, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Brain, Brain Stem | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Compression | | | | | | | | | 3 | | | | | | | | | | | | | | 2 2.5 |
| Brain, Cerebellum | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Brain, Cerebrum | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Mineralization | | 2 | | | | 1 | 1 | 1 | | | | 2 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | 24 1.2 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Autolysis | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | 2 | | 2 | | | | | 2 2.0 |
| Mineralization | | | | | | | | | | | | | | | | | | 1 | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 4 | | 2 3.0 |
| Nose | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 2.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|-----------|--------|
| | 0736 | 0736 | 0736 | 0661 | 0668 | 0676 | 0677 | 0677 | 0677 | 0677 | 0575 | 0677 | 0677 | 0575 | 0677 | 0677 | 0666 | 0677 | 0666 | 0677 | | 0677 | 0677 |
| ANIMAL ID | 005222 | 005533 | 005555 | 006666 | 006666 | 006666 | 006666 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | 007777 | |
| Hyaline Droplet | 1 | 1 | 1 | | | | | | | | | | | 2 | 2 | 1 | | | | | 1 | 1 | 17 1.1 |
| Trachea | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Cataract | | | | | | | | | | | | | | 1 | | | | | | | | | 2 1.0 |
| Harderian Gland | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | 1 | | | | | | | | | 5 1.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | 2 | 1 | | | | 1 | | | 1 | 1 | | 2 | 1 1 1 1 | 22 1.2 |
| Metaplasia, Osseous | 2 | 2 | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Nephropathy | 1 | 2 | | 1 | | | 1 | | | | | | | | | | | | | | 1 | | 7 1.1 |
| Pelvis, Dilatation | | | | | | | | | | | | | | | | | | | | | 3 | | 2 3.5 |
| Urinary Bladder | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Infiltration Cellular, Lymphocyte | 2 | | 1 | 1 | | 2 | 1 | | 2 | | | | | | | | | | | | 1 | 2 1 1 1 1 | 22 1.3 |
| Lumen, Dilatation | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 |

* .. 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|-----------------------|------------------|
| | 0
7
3
6 | 0
7
3
6 | 0
6
0
1 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | 0
6
1
7 | 0
7
3
6 | 0
5
3
2 | 0
3
7
5 | 0
7
5
6 | 0
7
3
6 | 0
7
3
6 | 0
7
3
6 | | | 0
7
3
6 | 0
7
3
6 | 0
4
8
2 |
| | 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 | |

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Vacuolization Cytoplasmic
Subcapsular, Hyperplasia | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 2 | 1 |
| Adrenal Medulla
Pigmentation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | |
| Parathyroid Gland
Infiltration Cellular, Lymphocyte | + | + | M | + | M | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | + | M | + | + |
| Pituitary Gland
Pars Distalis, Angiectasis
Pars Distalis, Cyst
Pars Distalis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Thyroid Gland
Infiltration Cellular, Lymphocyte
Inflammation, Suppurative
Follicle, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | |
| ANIMAL ID | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 | 0036 |
| | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Esophagus | + | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | | |
| Gallbladder | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 41 | | |
| Intestine Large, Ascending Colon
Goblet Cell, Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 25 | 1.7 |
| Intestine Large, Cecum
Goblet Cell, Hyperplasia | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | 2 | 1.5 |
| Intestine Large, Descending Colon
Goblet Cell, Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 17 | 1.6 |
| Intestine Large, Rectum | + | M | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | | |
| Intestine Large, Transverse Colon
Goblet Cell, Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 26 | 1.7 |
| Intestine Small, Duodenum | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | | |
| Intestine Small, Ileum
Hyperplasia, Lymphoid | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | 1 | 3.0 |
| Intestine Small, Jejunum | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | | |
| Liver
Autolysis
Basophilic Focus | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 46 | 1 | 4.0 |
| | | | X | | | | | 4 | | | | | | | | | | | | X | | | 4 | | |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-----|
| | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | 0736 | | 0736 | |
| ANIMAL ID | 00362 | 00363 | 00364 | 00365 | 00366 | 00367 | 00368 | 00369 | 00370 | 00371 | 00372 | 00373 | 00374 | 00375 | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | | |
| Cyst, Multiple | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Hematopoietic Cell Proliferation | | | | | | | | 1 | | | | | | | | | | | | 1 | | 2 | 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 2 | | 1 | | | | | 2 | 1.4 |
| Inflammation, Chronic Active | | | | | | | 1 | | | | | | | 1 | | | | | | 1 | | | 1.2 |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | 2 | | 3.3 |
| Tension Lipidosis | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 1.2 |
| Vacuolization Cytoplasmic | 2 | 2 | | | | | | | | | | 1 | | | 2 | | 2 | 1 | 2 | 2 | 1 | 1 | 1.7 |
| Mesentery | | | | | | | | + | | | | | | | | | | | | + | | 3 | |
| Fat, Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 4.0 |
| Fat, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 4.0 |
| Fat, Necrosis | | | | | | | | 4 | | | | | | | | | | | | 3 | | | 3.5 |
| Pancreas | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | 4.0 |
| Infiltration Cellular, Lymphocyte | 2 | 1 | | | | | 1 | | | | | | 2 | | 2 | | | | 1 | | 1 | | 1.5 |
| Duct, Dilatation | | | | | | | | | | | | | | | | | | | | | | | 4.0 |
| Salivary Glands | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | | 2 | | | | | 1 | 2 | 1 | 1 | | 1 | 1 | | 2 | 2 | 2 | 1.5 |
| Stomach, Forestomach | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Stomach, Glandular | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 |
| Erosion | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | 2 | | | | | | | | | | | | 1.8 |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010
 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| DAY ON TEST | C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 7 | 0 | 6 | 5 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 3 | 3 | 3 | 8 | 5 | 3 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 6 | 6 | 2 | 2 | 5 | 6 | 5 | 1 | 1 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 6 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 9 | 9 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 |
| 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Blood Vessel | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |
| Heart | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------------------------|
| Adrenal Cortex | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |
| Vacuolization Cytoplasmic Subcapsular, Hyperplasia | 2 | 2 | | 2 | 2 | 3 | 2 | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 1 | 1 2.0
44 2.0 |
| Adrenal Medulla Pigmentation | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44
1 2.0 |
| Islets, Pancreatic Hyperplasia | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43
2 2.0 |
| Parathyroid Gland Infiltration Cellular, Lymphocyte | + | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 40
1 2.0 |
| Pituitary Gland Pars Distalis, Angiectasis | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44
1 2.0 |
| Pars Distalis, Cyst | | | | | | | | | | | | | | | | | | | | | 3 | | 2 2.0 |
| Pars Distalis, Hyperplasia | | 2 | | 1 | | | | | | 2 | 2 | | 1 | | | | 2 | 2 | | | | | 11 1.8 |
| Thyroid Gland Infiltration Cellular, Lymphocyte | + | + | A | + | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43
6 1.2 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | 1 | | | | 1 | 1 1.0 |
| Follicle, Degeneration | | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | | 2 | | 6 1.3 |

* .. 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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TDMS No. 20116 - 04
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Aloe vera whole leaf extract (native)
 CAS Number: ALOEVLEAFEXT

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 Time Report Requested: 14:39:08
 First Dose M/F: 04/19/05 / 04/19/05
 Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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4 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|
| Clitoral Gland | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | | | |
| Degeneration | 4 | 4 | | 4 | 3 | 4 | 2 | | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | | 40 | 3.8 | |
| Ovary | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | | | |
| Atrophy | 4 | 4 | | 4 | 2 | 4 | 2 | | | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | | 39 | 3.8 | |
| Cyst | 2 | 4 | | | | | | | | | | 3 | | | | | | 2 | | | | | | 9 | 2.7 | |
| Cyst, Multiple | | | | | | | | | | | | | | | 4 | | | | | | | | | 2 | 4.0 | |
| Uterus | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | | | |
| Autolysis | | | | | | | | | | | | | | | | | | | | | 4 | | | 1 | 4.0 | |
| Hydrometra | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | 4 | | | 1 | 4.0 | |
| Endometrium, Hyperplasia, Cystic | 4 | 2 | | 3 | 3 | 4 | 2 | | | 3 | 2 | 4 | 2 | 2 | 3 | 2 | 2 | 4 | 4 | 2 | 4 | 3 | 2 | | 43 | 2.9 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Bone Marrow | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 | | |
| Hyperplasia | | | | | | | | | | | | 2 | | | | | | | | | | | | 3 | 2.0 |
| Lymph Node | | | | + | | + | | + | | | | | | | + | | | | | | | + | 13 | | |
| Iliac, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Iliac, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Iliac, Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lumbar, Hemorrhage | | | | | | | 2 | | | | | | | | | | | | | | | | | 2 | 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|
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2 | 0
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3 | 0
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7
4 | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 2 | 5 1.8 | | |
| Lumbar, Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Renal, Hemorrhage | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 | | |
| Renal, Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | | |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | 14 2.1 |
| Lymph Node, Mesenteric
Hemorrhage | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | 2 3.0 |
| Hyperplasia, Lymphoid | 1 | 2 | | 2 | | | | | | | | 1 | 1 | 3 | 1 | 1 | 2 | | 1 | 2 | | | 16 | 1.5 |
| Sinus, Dilatation | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Spleen | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | 1 3.0 |
| Depletion Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 12 | 2.7 |
| Hematopoietic Cell Proliferation | 2 | | | | | | | | | | | 4 | 2 | | | | | | 2 | | | | 24 | 3.1 |
| Hyperplasia, Lymphoid | 3 | 4 | | | | | | | | 4 | 3 | | 4 | 3 | 2 | | 3 | 4 | 3 | | 3 | | 5 | 2.2 |
| Pigmentation | | | | 2 | | | | | | | | 2 | | | | | | | | | | | | |
| Thymus | + | + | A | + | + | + | + | M | A | + | + | + | M | M | + | + | + | + | + | A | + | + | 41 | 10 2.5 |
| Atrophy | | | | 4 | | | 3 | | | | | | | | | | | | | | | | 1 | 2.0 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | 12 | 1.8 |
| Hyperplasia, Lymphoid | 2 | 2 | | | | | | | | | | | | 2 | 2 | | | | | | | | 1 | 3.0 |
| Epithelial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Mammary Gland | + | + | A | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | 1 2.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 2.3 |
| Alveolus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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

TDMS No. 20116 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

Time Report Requested: 14:39:08

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|---|--------|
| | 0736 | 0736 | 0702 | 0662 | 0552 | 0756 | 0565 | 0681 | 0771 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | |
| ANIMAL ID | 0036 | 0033 | 0033 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0055 | 0077 | 0077 | 0077 | 0077 | 0088 | 0088 | 0088 | 0088 | 0088 | 0088 | | | |
| Skin | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 46 |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | 4 | | | | | | | | 1 4.0 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Compression | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| Brain, Cerebellum | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 1 | | | | | | | | | | 1 1.0 |
| Brain, Cerebrum | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | 1 | | | | | | | | | | 1 1.0 |
| Mineralization | 1 | 1 | | 1 | 1 | | | | | | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | | 27 1.0 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 |
| Congestion | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | 1 | | | | 1 1.0 |
| Nose | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 45 |
| Hyaline Droplet | | | | | 1 | | | | 1 | | | | | | | | | | | | | | 9 1.6 |

* .. 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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TDMS No. 20116 - 04
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Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 01/15/2010

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

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR
MICE FEMALE
ALOEWHOLLEAF 3.0 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|-------|--------|
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| ANIMAL ID | 0
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2 | | | |
| Trachea | + | + | A | + | + | + | + | M | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | A | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 42 | |
| Harderian Gland | + | + | A | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | A | + | + | 43 | |
| Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | | 1 | | | | | | | | | | | | | 5 1.2 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 44 | |
| Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 | |
| Autolysis | | | | | | | | | | | | 4 | | | | | | | | | | | 1 4.0 | |
| Hyaline Droplet | | | | | | | | | | | | 3 | | | | | | | | | | | 1 3.0 | |
| Infiltration Cellular, Lymphocyte | | | 1 | | | | 1 | 2 | | | | | | 2 | 2 | | 1 | 1 | 1 | | 2 | 1 | 2 | 27 1.5 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 | |
| Nephropathy | | | | | | | | | | | | | 1 | | | | | | | | | | 6 1.7 | |
| Polyarteritis | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Urinary Bladder | + | + | A | + | + | + | + | A | A | M | + | + | + | + | + | + | + | + | + | A | + | + | 42 | |
| Infiltration Cellular, Lymphocyte | 1 | 1 | | | | | 1 | | | | | | | | 1 | | 2 | 1 | 2 | | 1 | | 1 | 25 1.3 |

*** END OF REPORT ***

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