

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

**CAS Number:** ALOEVLEAFEXT

**Date Report Requested:** 09/06/2016

**Time Report Requested:** 10:34:59

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

**Lab:** NCTR

**NTP Study Number:** C20116B  
**Lock Date:** Not Entered.  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

Experiment Number: 20116 - 01

Test Type: 90-DAY

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Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 11

TRT#: 7

SEX: Male

DAY ON TEST: 100

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland    | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes             | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder    |                             |                          |                            |

OBSERVATIONS

- |                           |                             |                       |                      |
|---------------------------|-----------------------------|-----------------------|----------------------|
| * Intestine Large, Cecum  | Goblet Cell                 | Hyperplasia           | Moderate             |
| * Intestine Large, Colon  | Goblet Cell                 | Hyperplasia           | Moderate             |
|                           |                             | Infiltration Cellular | Polymorphnuclr, Mild |
| * Intestine Large, Rectum | Goblet Cell                 | Hyperplasia           | Moderate             |
| * Kidney                  |                             | Nephropathy           | Chronic, Mild        |
| * Lymph Node, Mesenteric  |                             | Degeneration          | Cystic, Moderate     |
|                           |                             | Hyperplasia           | Lymphoid, Marked     |
|                           | [ Degeneration TGLs = 1-9 ] |                       |                      |
|                           | [ Hyperplasia TGLs = 1-9 ]  |                       |                      |
| * Preputial Gland         |                             | Inflammation          | Suppurative, Minimal |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

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**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 12

TRT#: 7

SEX: Male

DAY ON TEST: 100

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600012

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Heart
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Harderian Gland		Infiltration Cellular	Lymphoid, Mild
* Intestine Large, Cecum	Goblet Cell	Hyperplasia	Minimal
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Mild
* Intestine Large, Rectum	Goblet Cell	Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Preputial Gland		Inflammation	Suppurative, Mild

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

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

Lab: NCTR

ANIMAL ID: 21

TRT#: 7

SEX: Male

DAY ON TEST: 46

DOSE: 2% WLN

DISP: Moribund Sacrifice

HISTO: 021420600021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain, Cerebellum
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Skin
- \* Testes
- \* Blood Vessel
- \* Brain, Cerebrum
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone, Femur
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Nose
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Brain, Brain Stem
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Adrenal Medulla
- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adren Medulla
  - Note: Two slides sent for complete section; Per pathologist no recut requested
- Bone Marrow
  - Hypocellularity
  - Mild
- \* Kidney
  - Nephropathy
  - Chronic, Minimal
- \* Mammary GI
  - Note: Recut attempted
- \* Preputial Gland
  - Inflammation
  - Suppurative, Mild
- [ Inflammation TGLs = 1-11 ]
- \* Prostate
  - Note: Located on slide 11A
- \* Seminal Vesicle
  - Hypoplasia
  - Marked
- [ Hypoplasia TGLs = 2-11A ]
- \* Thymus
  - Note: Recut/Wet tissue attempted

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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Date Report Requested: 09/06/2016

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

Lab: NCTR

ANIMAL ID: 22

TRT#: 7

SEX: Male

DAY ON TEST: 62

DOSE: 2% WLN

DISP: Moribund Sacrifice

HISTO: 021420600022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel           | * Bone, Femur              | * Brain, Brain Stem       | * Brain, Cerebellum         |
| * Brain, Cerebrum        | * Epididymis               | * Esophagus               | * Eye                       |
| * Harderian Gland        | * Heart                    | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Prostate                | * Salivary Glands           |
| * Skin                   | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

MISSING

- |                  |                   |                 |
|------------------|-------------------|-----------------|
| * Adrenal Cortex | * Adrenal Medulla | * Mammary Gland |
|------------------|-------------------|-----------------|

OBSERVATIONS

- |                                |             |                 |                   |
|--------------------------------|-------------|-----------------|-------------------|
| * Adren Cortex                 |             |                 |                   |
| Note: Adrenals missing at trim |             |                 |                   |
| * Adren Medulla                |             |                 |                   |
| Note: Adrenals missing at trim |             |                 |                   |
| Bone Marrow                    |             | Hypocellularity | Mild              |
| * Intestine Large, Cecum       | Goblet Cell | Hyperplasia     | Mild              |
| * Intestine Large, Colon       | Goblet Cell | Hyperplasia     | Minimal           |
| * Kidney                       |             | Nephropathy     | Chronic, Minimal  |
| * Lymph Node, Mesenteric       |             | Hyperplasia     | Lymphoid, Mild    |
| * Mammary GI                   |             |                 |                   |
| Note: Wet tissue attempted     |             |                 |                   |
| * Preputial Gland              |             | Inflammation    | Suppurative, Mild |
| * Seminal Vesicle              |             | Hypoplasia      | Marked            |
| [ Hypoplasia TGLs = 1-11A ]    |             |                 |                   |
| * Thymus                       |             | Atrophy         | Moderate          |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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Date Report Requested: 09/06/2016

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

Lab: NCTR

ANIMAL ID: 31

TRT#: 7

SEX: Male

DAY ON TEST: 100

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                        |                             |                          |                            |
|------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex       | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur          | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis           | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart                | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic   | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Nose                 | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Prostate             | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Forestomach | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland        | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                            |             |                                      |                                 |
|----------------------------|-------------|--------------------------------------|---------------------------------|
| * Intestine Large, Cecum   | Goblet Cell | Hyperplasia<br>Infiltration Cellular | Mild<br>Polymorphnuclr, Minimal |
| * Intestine Large, Colon   | Goblet Cell | Hyperplasia<br>Infiltration Cellular | Mild<br>Polymorphnuclr, Minimal |
| * Intestine Large, Rectum  | Goblet Cell | Hyperplasia                          | Mild                            |
| * Kidney                   |             | Nephropathy                          | Chronic, Minimal                |
| * Lymph Node, Mesenteric   |             | Hyperplasia                          | Lymphoid, Mild                  |
| * Mammary GI               |             |                                      |                                 |
| Note: Wet tissue attempted |             |                                      |                                 |
| * Preputial Gland          |             | Inflammation                         | Suppurative, Mild               |
| * Spleen                   |             | Hematopoietic Cell Proliferation     | Minimal                         |

\* PROTOCOL REQUIRED TISSUE

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**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

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Date Report Requested: 09/06/2016

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

Lab: NCTR

ANIMAL ID: 32

TRT#: 7

SEX: Male

DAY ON TEST: 100

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600032

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Intestine Large, Cecum	Goblet Cell	Hyperplasia	Moderate
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Moderate
* Intestine Large, Rectum	Goblet Cell	Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Pancreas	Acinus	Degeneration	Minimal

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 41

TRT#: 7

SEX: Male

DAY ON TEST: 101

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600041

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Intestine Large, Cecum	Goblet Cell	Hyperplasia	Minimal
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Minimal
* Intestine Large, Rectum	Goblet Cell	Hyperplasia	Mild
	Anus	Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Preputial Gland		Inflammation	Suppurative, Minimal

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

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

Lab: NCTR

ANIMAL ID: 42

TRT#: 7

SEX: Male

DAY ON TEST: 101

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland    | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle    | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea            | * Urinary Bladder           |                          |                            |

OBSERVATIONS

- |                           |             |                                      |                                  |
|---------------------------|-------------|--------------------------------------|----------------------------------|
| * Intestine Large, Cecum  | Goblet Cell | Hyperplasia<br>Infiltration Cellular | Mild<br>Polymorphnuclr, Mild     |
| * Intestine Large, Colon  | Goblet Cell | Hyperplasia<br>Infiltration Cellular | Moderate<br>Polymorphnuclr, Mild |
| * Intestine Large, Rectum | Goblet Cell | Hyperplasia                          | Minimal                          |
| * Kidney                  |             | Nephropathy                          | Chronic, Minimal                 |
| * Lymph Node, Mesenteric  |             | Hyperplasia                          | Lymphoid, Marked                 |
- [ Hyperplasia TGLs = 1-9 ]

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

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

Lab: NCTR

ANIMAL ID: 51

TRT#: 7

SEX: Male

DAY ON TEST: 101

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland    | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes             | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder    |                             |                          |                            |

MISSING

- \* Intestine Large, Rectum

OBSERVATIONS

- |                            |                              |                                      |                                      |
|----------------------------|------------------------------|--------------------------------------|--------------------------------------|
| * Intestine Large, Cecum   | Goblet Cell                  | Hyperplasia<br>Infiltration Cellular | Moderate<br>Polymorphnuclr, Minimal  |
| * Intestine Large, Colon   | Goblet Cell                  | Hyperplasia<br>Infiltration Cellular | Moderate<br>Polymorphnuclr, Moderate |
| * Int Lg Rectum            |                              |                                      |                                      |
| Note: Wet tissue attempted |                              |                                      |                                      |
| * Kidney                   |                              | Nephropathy                          | Chronic, Minimal                     |
| * Lymph Node, Mesenteric   |                              | Hyperplasia                          | Lymphoid, Marked                     |
|                            | [ Hyperplasia TGLs = 2-9 ]   |                                      |                                      |
| * Preputial Gland          |                              | Inflammation                         | Suppurative, Mild                    |
|                            | [ Inflammation TGLs = 1-12 ] |                                      |                                      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Lab: NCTR

ANIMAL ID: 52

TRT#: 7

SEX: Male

DAY ON TEST: 101

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                        |                             |                            |                      |
|------------------------|-----------------------------|----------------------------|----------------------|
| * Adrenal Cortex       | * Adrenal Medulla           | * Blood Vessel             | Bone Marrow          |
| * Bone, Femur          | * Brain, Brain Stem         | * Brain, Cerebellum        | * Brain, Cerebrum    |
| * Epididymis           | * Esophagus                 | * Eye                      | * Harderian Gland    |
| * Heart                | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver                | * Lung                      | * Lymph Node, Mandibular   | * Nose               |
| * Pancreas             | * Parathyroid Gland         | * Pituitary Gland          | * Prostate           |
| * Salivary Glands      | * Seminal Vesicle           | * Skin                     | * Spleen             |
| * Stomach, Forestomach | * Stomach, Glandular        | * Testes                   | * Thymus             |
| * Thyroid Gland        | * Trachea                   | * Urinary Bladder          |                      |

MISSING

- |                          |                 |
|--------------------------|-----------------|
| * Lymph Node, Mesenteric | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

- |                            |                  |              |                      |
|----------------------------|------------------|--------------|----------------------|
| * Intestine Large, Cecum   | Goblet Cell      | Hyperplasia  | Moderate             |
| * Intestine Large, Colon   | Goblet Cell      | Hyperplasia  | Moderate             |
| * Intestine Large, Rectum  | Goblet Cell      | Hyperplasia  | Mild                 |
|                            | Anus, Epithelium | Hyperplasia  | Squamous, Moderate   |
|                            | Anus             | Inflammation | Chronic Active, Mild |
| * Intestine Small, Ileum   | Goblet Cell      | Hyperplasia  | Minimal              |
| * Kidney                   |                  | Nephropathy  | Chronic, Minimal     |
| * Lym Node Mesen           |                  |              |                      |
| Note: Wet tissue attempted |                  |              |                      |
| * Mammary GI               |                  |              |                      |
| Note: Wet tissue attempted |                  |              |                      |
| * Nose                     |                  |              |                      |
| Note: TGL 1 - NCL          |                  |              |                      |
| * Preputial Gland          |                  | Inflammation | Suppurative, Mild    |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 61

TRT#: 7

SEX: Male

DAY ON TEST: 101

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland    | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes             | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder    |                             |                          |                            |

OBSERVATIONS

- |                           |                            |              |                       |
|---------------------------|----------------------------|--------------|-----------------------|
| * Intestine Large, Cecum  | Goblet Cell                | Hyperplasia  | Minimal               |
| * Intestine Large, Colon  | Goblet Cell                | Hyperplasia  | Minimal               |
| * Intestine Large, Rectum | Anus                       | Hyperplasia  | Squamous, Mild        |
|                           | Goblet Cell                | Hyperplasia  | Minimal               |
|                           | Anus                       | Inflammation | Chronic Active, Mild  |
| * Kidney                  |                            | Nephropathy  | Chronic, Minimal      |
| * Lymph Node, Mesenteric  |                            | Hyperplasia  | Lymphoid, Marked      |
|                           | [ Hyperplasia TGLs = 1-9 ] |              |                       |
| * Preputial Gland         |                            | Inflammation | Suppurative, Moderate |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 62

TRT#: 7

SEX: Male

DAY ON TEST: 101

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland    | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle    | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea            | * Urinary Bladder           |                          |                            |

OBSERVATIONS

- |                            |             |                       |                      |
|----------------------------|-------------|-----------------------|----------------------|
| * Intestine Large, Cecum   | Goblet Cell | Hyperplasia           | Moderate             |
|                            |             | Infiltration Cellular | Polymorphnuclr, Mild |
| * Intestine Large, Colon   | Goblet Cell | Hyperplasia           | Moderate             |
| * Intestine Large, Rectum  | Goblet Cell | Hyperplasia           | Moderate             |
|                            | Anus        | Hyperplasia           | Squamous, Moderate   |
|                            | Anus        | Inflammation          | Chronic Active, Mild |
| * Kidney                   |             | Nephropathy           | Chronic, Minimal     |
| * Lymph Node, Mesenteric   |             | Hyperplasia           | Lymphoid, Marked     |
| [ Hyperplasia TGLs = 1-9 ] |             |                       |                      |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 71

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 100

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600071

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                          |                             |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel           | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum      | * Brain, Cerebrum           |
| * Epididymis             | * Esophagus                | * Eye                    | * Harderian Gland           |
| * Heart                  | * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic     | * Lung                      |
| * Lymph Node, Mandibular | * Mammary Gland            | * Nose                   | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Prostate               | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Stomach, Forestomach   | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland          | * Trachea                   |
| * Urinary Bladder        |                            |                          |                             |

**MISSING**

- \* Intestine Large, Rectum

**OBSERVATIONS**

- |                                  |                           |                    |
|----------------------------------|---------------------------|--------------------|
| * Int Lg Rectum                  |                           |                    |
| Note: Recut/Wet tissue attempted |                           |                    |
| * Kidney                         | Nephropathy               | Chronic, Minimal   |
| * Liver                          | Vacuolization Cytoplasmic | Minimal            |
| * Lymph Node, Mesenteric         | Hyperplasia               | Lymphoid, Moderate |
| * Preputial Gland                | Inflammation              | Suppurative, Mild  |
| * Spleen                         | Hyperplasia               | Lymphoid, Minimal  |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 72

TRT#: 5

SEX: Male

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow               |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum         |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           |
| * Nose                      | * Parathyroid Gland      | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

**MISSING**

- \* Pituitary Gland

**OBSERVATIONS**

- |                            |        |              |                   |
|----------------------------|--------|--------------|-------------------|
| * Kidney                   |        | Nephropathy  | Chronic, Minimal  |
| * Lymph Node, Mesenteric   |        | Hyperplasia  | Lymphoid, Mild    |
| * Pancreas                 | Acinus | Degeneration | Minimal           |
| * Pituitary Gland          |        |              |                   |
| Note: Wet tissue attempted |        |              |                   |
| * Preputial Gland          |        | Inflammation | Suppurative, Mild |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 81

TRT#: 5

SEX: Male

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600081

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow               |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum         |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Preputial Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

**MISSING**

- \* Pituitary Gland

**OBSERVATIONS**

- |                            |             |                  |
|----------------------------|-------------|------------------|
| * Kidney                   | Nephropathy | Chronic, Minimal |
| * Lymph Node, Mesenteric   | Hyperplasia | Lymphoid, Mild   |
| * Pituitary GI             |             |                  |
| Note: Wet tissue attempted |             |                  |
| * Urinary Bladder          | Dilatation  | Marked           |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 82

TRT#: 5

SEX: Male

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600082

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Epididymis             | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

**MISSING**

- \* Pituitary Gland

**OBSERVATIONS**

- |                              |                |                       |
|------------------------------|----------------|-----------------------|
| * Heart                      | Cardiomyopathy | Minimal               |
| * Kidney                     | Nephropathy    | Chronic, Minimal      |
| * Lymph Node, Mesenteric     | Hyperplasia    | Lymphoid, Mild        |
| * Pituitary Gland            |                |                       |
| Note: Wet tissue attempted   |                |                       |
| * Preputial Gland            | Inflammation   | Suppurative, Moderate |
| [ Inflammation TGLs = 1-12 ] |                |                       |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 91

TRT#: 5

SEX: Male

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600091

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Kidney	Nephropathy	Chronic, Minimal
* Preputial Gland	Inflammation	Suppurative, Minimal

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 92

TRT#: 5

SEX: Male

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600092

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Minimal

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 101

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600101

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Blood Vessel            | Bone Marrow                 | * Bone, Femur            |
| * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           | * Epididymis             |
| * Esophagus                | * Eye                     | * Harderian Gland           | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Mammary Gland            | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Testes                   | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

**MISSING**

- \* Adrenal Medulla

**OBSERVATIONS**

- |                            |                |                         |
|----------------------------|----------------|-------------------------|
| * Adren Medulla            |                |                         |
| Note: Wet tissue attempted |                |                         |
| * Heart                    | Cardiomyopathy | Minimal                 |
| * Kidney                   | Nephropathy    | Chronic, Minimal        |
| * Liver                    | Inflammation   | Chronic Active, Minimal |
| * Lymph Node, Mesenteric   | Hyperplasia    | Lymphoid, Mild          |
| * Preputial Gland          | Inflammation   | Suppurative, Mild       |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 102

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600102

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow               |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum         |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

**OBSERVATIONS**

- |                          |             |                    |
|--------------------------|-------------|--------------------|
| * Kidney                 | Nephropathy | Chronic, Minimal   |
| * Lymph Node, Mesenteric | Hyperplasia | Lymphoid, Moderate |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 111

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600111

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                          |                             |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel           | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum      | * Brain, Cerebrum           |
| * Epididymis             | * Esophagus                | * Eye                    | * Harderian Gland           |
| * Heart                  | * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic     | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland          | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland        | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle        | * Skin                      |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular     | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Trachea                | * Urinary Bladder           |

**MISSING**

- \* Intestine Large, Rectum

**OBSERVATIONS**

- \* Int Lg Rectum

Note: Recut/Wet tissue attempted

- |                          |             |                  |
|--------------------------|-------------|------------------|
| * Kidney                 | Nephropathy | Chronic, Minimal |
| * Lymph Node, Mesenteric | Hyperplasia | Lymphoid, Mild   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 112

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600112

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Epididymis             | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Mammary Gland            | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

**OBSERVATIONS**

- |                          |                           |                   |
|--------------------------|---------------------------|-------------------|
| * Heart                  | Cardiomyopathy            | Minimal           |
| * Kidney                 | Nephropathy               | Chronic, Minimal  |
| * Liver                  | Vacuolization Cytoplasmic | Minimal           |
| * Lymph Node, Mesenteric | Hyperplasia               | Lymphoid, Mild    |
| * Preputial Gland        | Inflammation              | Suppurative, Mild |
| * Testes                 |                           |                   |

Note: TGL 1 - NCL

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 121

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600121

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow               |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum         |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

**OBSERVATIONS**

- |                          |              |                       |
|--------------------------|--------------|-----------------------|
| * Kidney                 | Nephropathy  | Chronic, Minimal      |
| * Lymph Node, Mesenteric | Hyperplasia  | Lymphoid, Minimal     |
| * Preputial Gland        | Inflammation | Suppurative, Moderate |



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 101

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600122

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Kidney	Nephropathy	Chronic, Minimal
* Liver	Inflammation	Chronic Active, Mild
	Vacuolization Cytoplasmic	Minimal

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

---

**ANIMAL ID:** 131

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 100

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600131

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Cecum

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Minimal

\* Kidney

Nephropathy

Chronic, Minimal

---

**Experiment Number:** 20116 - 01

**Test Type:** 90-DAY

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

**CAS Number:** ALOEVLEAFEXT

**Date Report Requested:** 09/06/2016

**Time Report Requested:** 10:34:59

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

**Lab:** NCTR

---

**ANIMAL ID:** 132

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 100

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600132

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Cecum

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Mild

\* Kidney

Nephropathy

Chronic, Minimal

---

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 141

TRT#: 6

SEX: Male

DAY ON TEST: 100

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600141

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Liver

\* Spleen

**OBSERVATIONS**

\* Intestine Large, Cecum

Goblet Cell

Hyperplasia

Minimal

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Moderate

\* Kidney

Infiltration Cellular

Polymorphnuclr, Mild

Nephropathy

Chronic, Minimal

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

**CAS Number:** ALOEVLEAFEXT

**Date Report Requested:** 09/06/2016

**Time Report Requested:** 10:34:59

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

**Lab:** NCTR

---

<b>ANIMAL ID:</b> 142	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 100
	<b>DOSE:</b> 1% WLN	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 021420600142
<b>OBSERVATIONS</b>			
* Intestine Large, Cecum	Goblet Cell	Hyperplasia Infiltration Cellular	Moderate Polymorphnuclr, Minimal
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule	TGLs = 2-4 ]		
Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
[ Hyperplasia	TGLs = 1-9 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal

---

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

---

**ANIMAL ID:** 151

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 100

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600151

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Cecum

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Minimal

\* Kidney

Nephropathy

Chronic, Minimal

---

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Aloe vera whole leaf extract (native)  
**CAS Number:** ALOEVLEAFEXT

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

---

**ANIMAL ID:** 152

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 100

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600152

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Cecum

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Minimal

\* Kidney

Nephropathy

Chronic, Minimal

---

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Aloe vera whole leaf extract (native)  
**CAS Number:** ALOEVLEAFEXT

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

---

**ANIMAL ID:** 162

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600162

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Intestine Large, Cecum

Goblet Cell

Hyperplasia

Mild

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Moderate

\* Kidney

Infiltration Cellular

Polymorphnuclr, Marked

Nephropathy

Chronic, Minimal

---



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Aloe vera whole leaf extract (native)  
**CAS Number:** ALOEVLEAFEXT

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

---

**ANIMAL ID:** 171

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600171

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Intestine Large, Cecum

Goblet Cell

Hyperplasia

Mild

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Mild

\* Kidney

Nephropathy

Chronic, Minimal

---

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Aloe vera whole leaf extract (native)  
**CAS Number:** ALOEVLEAFEXT

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

---

**ANIMAL ID:** 172

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600172

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

---

**OBSERVATIONS**

* Intestine Large, Cecum	Goblet Cell	Hyperplasia	Mild
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Mild
		Infiltration Cellular	Polymorphnuclr, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal

---

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 181

TRT#: 6

SEX: Male

DAY ON TEST: 101

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600181

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Liver

\* Spleen

**OBSERVATIONS**

\* Intestine Large, Cecum

Goblet Cell

Hyperplasia

Moderate

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Moderate

\* Kidney

Infiltration Cellular

Polymorphnuclr, Moderate

Lymph Node, Mesenteric

Nephropathy

Chronic, Minimal

Hyperplasia

Lymphoid, Marked

[ Hyperplasia TGLs = 1-9 ]

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Aloe vera whole leaf extract (native)  
**CAS Number:** ALOEVLEAFEXT

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

---

**ANIMAL ID:** 182

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 101

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600182

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Kidney

Lymph Node, Mesenteric

[ Hyperplasia TGLs = 1-9 ]

Nephropathy

Hyperplasia

Chronic, Minimal

Lymphoid, Marked

---

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 191

TRT#: 8

SEX: Male

DAY ON TEST: 100

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Prostate           | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Spleen             | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus             | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

- \* Pituitary Gland

OBSERVATIONS

- |                            |             |                       |                          |
|----------------------------|-------------|-----------------------|--------------------------|
| * Intestine Large, Cecum   | Goblet Cell | Hyperplasia           | Mild                     |
| * Intestine Large, Colon   | Goblet Cell | Hyperplasia           | Moderate                 |
|                            |             | Infiltration Cellular | Polymorphnuclr, Moderate |
| * Intestine Large, Rectum  | Goblet Cell | Hyperplasia           | Mild                     |
| * Kidney                   |             | Nephropathy           | Chronic, Mild            |
| * Lymph Node, Mesenteric   |             | Hyperplasia           | Lymphoid, Marked         |
| * Pituitary Gl             |             |                       |                          |
| Note: Wet tissue attempted |             |                       |                          |
| * Preputial Gland          |             | Inflammation          | Suppurative, Mild        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 192

TRT#: 8

SEX: Male

DAY ON TEST: 31

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600192

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone, Femur            |
| * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           | * Esophagus              |
| * Eye                      | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Preputial Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Spleen                  | * Stomach, Glandular        | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

**OBSERVATIONS**

- |                        |                 |          |
|------------------------|-----------------|----------|
| Bone Marrow            | Hypocellularity | Mild     |
| * Epididymis           | Hypospermia     | Marked   |
| * Stomach, Forestomach | Hyperkeratosis  | Mild     |
| * Testes               | Hypoplasia      | Moderate |
| * Thymus               | Atrophy         | Moderate |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 201

TRT#: 8

SEX: Male

DAY ON TEST: 31

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600201

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone, Femur            |
| * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           | * Esophagus              |
| * Eye                      | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Prostate                 | * Salivary Glands         | * Seminal Vesicle           | * Skin                   |
| * Spleen                   | * Stomach, Glandular      | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

**OBSERVATIONS**

- |                        |                 |                     |
|------------------------|-----------------|---------------------|
| Bone Marrow            | Hypocellularity | Moderate            |
| * Epididymis           | Hypospermia     | Marked              |
| * Preputial Gland      | Inflammation    | Suppurative, Marked |
| * Stomach, Forestomach | Hyperkeratosis  | Mild                |
| * Testes               | Hypoplasia      | Moderate            |
| * Thymus               | Atrophy         | Marked              |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Aloe vera whole leaf extract (native)  
 CAS Number: ALOEVLEAFEXT

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

ANIMAL ID: 202

TRT#: 8

SEX: Male

DAY ON TEST: 34

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600202

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone, Femur            |
| * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           | * Esophagus              |
| * Eye                      | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Prostate                 | * Salivary Glands         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

**OBSERVATIONS**

- |                              |                 |                   |
|------------------------------|-----------------|-------------------|
| Bone Marrow                  | Hypocellularity | Moderate          |
| Coagulating Gland            | Hypoplasia      | Marked            |
| [ Hypoplasia TGLs = 5-11A ]  |                 |                   |
| * Epididymis                 | Hypospermia     | Marked            |
| * Preputial Gland            | Inflammation    | Suppurative, Mild |
| [ Inflammation TGLs = 1-11 ] |                 |                   |
| * Seminal Vesicle            | Hypoplasia      | Marked            |
| [ Hypoplasia TGLs = 4-11A ]  |                 |                   |
| * Spleen                     |                 |                   |
| Note: 2 - NCL                |                 |                   |
| * Testes                     | Hypoplasia      | Moderate          |
| [ Hypoplasia TGLs = 3-11 ]   |                 |                   |

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 211

TRT#: 8

SEX: Male

DAY ON TEST: 100

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600211

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland    | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin               | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus             | * Thyroid Gland             | * Trachea                |                            |

**MISSING**

- \* Intestine Large, Rectum

**OBSERVATIONS**

- |                            |             |              |                       |
|----------------------------|-------------|--------------|-----------------------|
| * Intestine Large, Cecum   | Goblet Cell | Hyperplasia  | Moderate              |
| * Intestine Large, Colon   | Goblet Cell | Hyperplasia  | Moderate              |
| * Int Lg Rectum            |             |              |                       |
| Note: Recut attempted      |             |              |                       |
| * Kidney                   |             | Nephropathy  | Chronic, Minimal      |
| * Lymph Node, Mesenteric   |             | Hyperplasia  | Lymphoid, Marked      |
| [ Hyperplasia TGLs = 1-9 ] |             |              |                       |
| * Preputial Gland          |             | Inflammation | Suppurative, Moderate |
| * Spleen                   |             | Hyperplasia  | Lymphoid, Minimal     |
| * Urinary Bladder          |             | Dilatation   | Marked                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 212

TRT#: 8

SEX: Male

DAY ON TEST: 100

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | Bone Marrow              |
| * Bone, Femur              | * Brain, Brain Stem       | * Brain, Cerebellum         | * Brain, Cerebrum        |
| * Epididymis               | * Esophagus               | * Eye                       | * Harderian Gland        |
| * Heart                    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular   | * Mammary Gland           | * Nose                      | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Testes                   | * Thymus                  | * Thyroid Gland             | * Trachea                |

OBSERVATIONS

- |  |             |                                      |                                  |
|--|-------------|--------------------------------------|----------------------------------|
| * Intestine Large, Cecum                               | Goblet Cell | Hyperplasia<br>Infiltration Cellular | Moderate<br>Polymorphnuclr, Mild |
| * Intestine Large, Colon                               | Goblet Cell | Hyperplasia<br>Infiltration Cellular | Moderate<br>Polymorphnuclr, Mild |
| * Kidney   |             | Nephropathy                          | Chronic, Minimal                 |
| * Lymph Node, Mesenteric<br>[ Hyperplasia TGLs = 1-9 ] |             | Hyperplasia                          | Lymphoid, Marked                 |
| * Preputial Gland                                      |             | Inflammation                         | Suppurative, Mild                |
| * Spleen   |             | Hematopoietic Cell Proliferation     | Minimal                          |
| * Urinary Bladder                                      |             | Hemorrhage                           | Mild                             |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 221

TRT#: 8

SEX: Male

DAY ON TEST: 34

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain, Brain Stem
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland
- \* Adrenal Medulla
- \* Brain, Cerebellum
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Prostate
- \* Stomach, Forestomach
- \* Trachea
- \* Blood Vessel
- \* Brain, Cerebrum
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone, Femur
- \* Epididymis
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Testes

OBSERVATIONS

- Bone Marrow Hypocellularity Mild
- Coagulating Gland Hypoplasia Marked
- [ Hypoplasia TGLs = 3-11A ]
- Lymph Node Inguinal Hyperplasia Lymphoid, Mild
- [ Hyperplasia TGLs = 2-14 ]
- \* Preputial Gland Inflammation Suppurative, Moderate
- Note: TGL 4 - NCL
- \* Prostate
- Note: Located on slide 11A
- \* Seminal Vesicle Hypoplasia Marked
- [ Hypoplasia TGLs = 1-11A ]
- \* Thymus Atrophy Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 222

TRT#: 8

SEX: Male

DAY ON TEST: 101

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	Bone Marrow
* Bone, Femur	* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Large, Cecum	Goblet Cell	Hyperplasia	Moderate
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Mild
* Intestine Large, Rectum	Goblet Cell	Hyperplasia	Moderate
	Anus	Hyperplasia	Squamous, Mild
	Anus	Inflammation	Chronic Active, Mild
* Intestine Small, Ileum	Goblet Cell	Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Lymph Node, Mesenteric		Degeneration	Cystic, Mild
		Hyperplasia	Lymphoid, Marked
	[ Degeneration TGLs = 1-9 ]		
	[ Hyperplasia TGLs = 1-9 ]		
* Preputial Gland		Inflammation	Suppurative, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 231

TRT#: 8

SEX: Male

DAY ON TEST: 34

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                             |                          |                            |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur            | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis             | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart                  | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic     | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland        | * Prostate                  | * Salivary Glands        | * Skin                     |
| * Spleen                 | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thyroid Gland          | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |             |              |                    |
|--|-------------|--------------|--------------------|
| Coagulating Gland<br>[ Hypoplasia TGLs = 2-11A ] |             | Hypoplasia   | Marked             |
| * Intestine Large, Cecum                         | Goblet Cell | Hyperplasia  | Mild               |
| * Intestine Large, Colon                         | Goblet Cell | Hyperplasia  | Moderate           |
| * Intestine Large, Rectum                        | Goblet Cell | Hyperplasia  | Mild               |
| * Lymph Node, Mesenteric                         |             | Hyperplasia  | Lymphoid, Moderate |
| * Mammary GI<br>Note: Recut attempted            |             |              |                    |
| * Preputial Gland                                |             | Inflammation | Suppurative, Mild  |
| * Prostate<br>Note: Located on slide 11A         |             |              |                    |
| * Seminal Vesicle<br>[ Hypoplasia TGLs = 1-11A ] |             | Hypoplasia   | Marked             |
| * Thymus   |             | Atrophy      | Minimal            |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 232

TRT#: 8

SEX: Male

DAY ON TEST: 101

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            |
| * Nose               | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland    | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin               | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes             | * Thymus                    | * Thyroid Gland          | * Trachea                  |

OBSERVATIONS

- |                           |                            |                                      |                                  |
|---------------------------|----------------------------|--------------------------------------|----------------------------------|
| * Intestine Large, Cecum  | Goblet Cell                | Hyperplasia<br>Infiltration Cellular | Moderate<br>Polymorphnuclr, Mild |
| * Intestine Large, Colon  | Goblet Cell                | Hyperplasia                          | Mild                             |
| * Intestine Large, Rectum | Goblet Cell                | Hyperplasia                          | Mild                             |
|                           | Anus                       | Hyperplasia                          | Squamous, Moderate               |
|                           | Anus                       | Inflammation                         | Chronic Active, Moderate         |
| * Kidney                  |                            | Nephropathy                          | Chronic, Minimal                 |
| * Liver                   |                            | Inflammation                         | Chronic Active, Minimal          |
| * Lymph Node, Mesenteric  |                            | Hyperplasia                          | Lymphoid, Marked                 |
|                           | [ Hyperplasia TGLs = 1-9 ] |                                      |                                  |
| * Urinary Bladder         |                            | Dilatation                           | Marked                           |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 241

TRT#: 8

SEX: Male

DAY ON TEST: 101

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Blood Vessel              | Bone Marrow              | * Bone, Femur              |
| * Brain, Brain Stem       | * Brain, Cerebellum         | * Brain, Cerebrum        | * Epididymis               |
| * Esophagus               | * Eye                       | * Harderian Gland        | * Heart                    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |                   |                   |
|-------------------|-------------------|
| * Adrenal Medulla | * Pituitary Gland |
|-------------------|-------------------|

OBSERVATIONS

- |                            |             |                                      |                                      |
|----------------------------|-------------|--------------------------------------|--------------------------------------|
| * Adren Medulla            |             |                                      |                                      |
| Note: Wet tissue attempted |             |                                      |                                      |
| * Intestine Large, Cecum   | Goblet Cell | Hyperplasia<br>Infiltration Cellular | Marked<br>Polymorphnuclr, Mild       |
| * Intestine Large, Colon   | Goblet Cell | Hyperplasia<br>Infiltration Cellular | Moderate<br>Polymorphnuclr, Moderate |
| * Kidney                   |             | Nephropathy                          | Chronic, Minimal                     |
| * Lymph Node, Mesenteric   |             | Hyperplasia                          | Lymphoid, Marked                     |
| [ Hyperplasia TGLs = 1-9 ] |             |                                      |                                      |
| * Pituitary Gland          |             |                                      |                                      |
| Note: Wet tissue attempted |             |                                      |                                      |
| * Preputial Gland          |             | Inflammation                         | Suppurative, Minimal                 |
| * Prostate                 |             | Inflammation                         | Suppurative, Minimal                 |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 242

TRT#: 8

SEX: Male

DAY ON TEST: 101

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Epididymis         | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland    | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle    | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea            | * Urinary Bladder           |                          |                            |

OBSERVATIONS

- |                           |             |              |                          |
|---------------------------|-------------|--------------|--------------------------|
| * Intestine Large, Cecum  | Goblet Cell | Hyperplasia  | Moderate                 |
| * Intestine Large, Colon  | Goblet Cell | Hyperplasia  | Moderate                 |
| * Intestine Large, Rectum | Goblet Cell | Hyperplasia  | Moderate                 |
|                           | Anus        | Hyperplasia  | Squamous, Marked         |
|                           | Anus        | Inflammation | Chronic Active, Moderate |
| * Kidney                  |             | Nephropathy  | Chronic, Minimal         |
| * Lymph Node, Mesenteric  |             | Hyperplasia  | Lymphoid, Marked         |

[ Hyperplasia TGLs = 1-9 ]



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 251

TRT#: 1

SEX: Female

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Mammary Gland            | * Nose                    | * Ovary                     |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           |
| * Skin                   | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thymus                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

OBSERVATIONS

- |                          |              |                |                    |
|--------------------------|--------------|----------------|--------------------|
| * Clitoral Gland         |              | Inflammation   | Suppurative, Mild  |
| * Kidney                 | Renal Tubule | Mineralization | Mild               |
| * Lymph Node, Mandibular |              | Hyperplasia    | Lymphoid, Mild     |
| * Lymph Node, Mesenteric |              | Hyperplasia    | Lymphoid, Moderate |
| * Uterus                 | Lumen        | Dilatation     | Marked             |
- [ Dilatation TGLs = 1-12 ]

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 252

TRT#: 1

SEX: Female

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | Bone Marrow              |
| * Bone, Femur              | * Brain, Brain Stem       | * Brain, Cerebellum         | * Brain, Cerebrum        |
| * Esophagus                | * Eye                     | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular   | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

**OBSERVATIONS**

- |                          |              |                       |                   |
|--------------------------|--------------|-----------------------|-------------------|
| * Clitoral Gland         |              | Infiltration Cellular | Lymphoid, Mild    |
| * Harderian Gland        |              | Infiltration Cellular | Lymphoid, Minimal |
| * Kidney                 | Renal Tubule | Mineralization        | Mild              |
| * Lymph Node, Mesenteric |              | Hyperplasia           | Lymphoid, Mild    |
| * Uterus                 | Lumen        | Dilatation            | Mild              |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 261

TRT#: 1

SEX: Female

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Salivary Glands        | * Skin                     | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

**OBSERVATIONS**

- |                          |              |                |                   |
|--------------------------|--------------|----------------|-------------------|
| * Clitoral Gland         |              | Inflammation   | Suppurative, Mild |
| * Kidney                 | Renal Tubule | Mineralization | Moderate          |
| * Lymph Node, Mesenteric |              | Hyperplasia    | Lymphoid, Mild    |
| * Uterus                 | Lumen        | Dilatation     | Mild              |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 262

TRT#: 1

SEX: Female

DAY ON TEST: 100

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600262

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             |
| * Nose                   | * Ovary                    | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          | * Uterus                  |                             |

**OBSERVATIONS**

- |                   |              |                       |                   |
|-------------------|--------------|-----------------------|-------------------|
| * Harderian Gland |              | Infiltration Cellular | Lymphoid, Minimal |
| * Kidney          | Renal Tubule | Mineralization        | Mild              |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 271

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 100

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600271

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Salivary Glands        | * Skin                     | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        | * Uterus                   |                           |                             |

**OBSERVATIONS**

- |                          |              |                       |                |
|--------------------------|--------------|-----------------------|----------------|
| * Clitoral Gland         |              | Infiltration Cellular | Lymphoid, Mild |
| * Kidney                 | Renal Tubule | Mineralization        | Mild           |
| * Lymph Node, Mesenteric |              | Hyperplasia           | Lymphoid, Mild |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 272

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 100

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow               |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum         |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Spleen                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           | * Uterus                 |                            |                           |

**MISSING**

- \* Parathyroid Gland

**OBSERVATIONS**

- |                          |              |                |                |
|--------------------------|--------------|----------------|----------------|
| * Kidney                 | Renal Tubule | Mineralization | Mild           |
| * Lymph Node, Mesenteric |              | Hyperplasia    | Lymphoid, Mild |
| * Parathyroid GI         |              |                |                |
- Note: Recut attempted

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 281

TRT#: 1

SEX: Female

DAY ON TEST: 101

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600281

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur             | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Esophagus               | * Eye                       | * Heart                  | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        | * Uterus                   |

**OBSERVATIONS**

- |                          |              |                       |                    |
|--------------------------|--------------|-----------------------|--------------------|
| * Clitoral Gland         |              | Infiltration Cellular | Lymphoid, Moderate |
| * Harderian Gland        |              | Infiltration Cellular | Lymphoid, Minimal  |
| * Intestine Large, Cecum | Goblet Cell  | Hyperplasia           | Minimal            |
| * Kidney                 | Renal Tubule | Mineralization        | Mild               |
| * Lymph Node, Mesenteric |              | Hyperplasia           | Lymphoid, Mild     |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 282

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600282

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             |
| * Nose                   | * Ovary                    | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          | * Uterus                  |                             |

**OBSERVATIONS**

- |                  |              |                |                       |
|------------------|--------------|----------------|-----------------------|
| * Clitoral Gland |              | Inflammation   | Suppurative, Moderate |
| * Kidney         | Renal Tubule | Mineralization | Mild                  |



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 291

TRT#: 1

SEX: Female

DAY ON TEST: 101

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 021420600291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             |
| * Nose                   | * Ovary                    | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          | * Uterus                  |                             |

**OBSERVATIONS**

- |                  |              |                |                      |
|------------------|--------------|----------------|----------------------|
| * Clitoral Gland |              | Inflammation   | Suppurative, Minimal |
| * Kidney         | Renal Tubule | Mineralization | Moderate             |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 292

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600292

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                          |                             |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel           | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum      | * Brain, Cerebrum           |
| * Clitoral Gland         | * Esophagus                | * Eye                    | * Harderian Gland           |
| * Heart                  | * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic     | * Lung                      |
| * Lymph Node, Mandibular | * Mammary Gland            | * Nose                   | * Ovary                     |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland        | * Salivary Glands           |
| * Skin                   | * Spleen                   | * Stomach, Forestomach   | * Stomach, Glandular        |
| * Thymus                 | * Thyroid Gland            | * Trachea                | * Urinary Bladder           |
| * Uterus                 |                            |                          |                             |

**MISSING**

- \* Intestine Large, Rectum

**OBSERVATIONS**

- |                            |              |                |                         |
|----------------------------|--------------|----------------|-------------------------|
| * Int Lg Rectum            |              |                |                         |
| Note: Wet tissue attempted |              |                |                         |
| * Kidney                   | Renal Tubule | Mineralization | Moderate                |
| * Liver                    |              | Inflammation   | Chronic Active, Minimal |
| * Lymph Node, Mesenteric   |              | Hyperplasia    | Lymphoid, Mild          |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 301

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600301

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow               |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum         |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Spleen                  |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                           |

**OBSERVATIONS**

- |                          |              |                |                |
|--------------------------|--------------|----------------|----------------|
| * Kidney                 | Renal Tubule | Mineralization | Mild           |
| * Lymph Node, Mesenteric |              | Hyperplasia    | Lymphoid, Mild |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 302

**TRT#:** 1

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** 021420600302

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Salivary Glands        | * Skin                     | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        | * Uterus                   |                           |                             |

**OBSERVATIONS**

- |                          |              |                       |                   |
|--------------------------|--------------|-----------------------|-------------------|
| * Clitoral Gland         |              | Infiltration Cellular | Lymphoid, Minimal |
| * Kidney                 | Renal Tubule | Mineralization        | Moderate          |
| * Lymph Node, Mesenteric |              | Hyperplasia           | Lymphoid, Mild    |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 100

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                      |
|-----------------------------|--------------------------|----------------------------|----------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow          |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum    |
| * Esophagus                 | * Eye                    | * Harderian Gland          | * Heart              |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland      |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland  |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Spleen             |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland      |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                      |

OBSERVATIONS

- |                            |                  |                       |                         |
|----------------------------|------------------|-----------------------|-------------------------|
| * Clitoral Gland           |                  | Inflammation          | Suppurative, Moderate   |
| * Intestine Large, Cecum   | Goblet Cell      | Hyperplasia           | Moderate                |
|                            |                  | Infiltration Cellular | Polymorphnuclr, Minimal |
| * Intestine Large, Colon   | Goblet Cell      | Hyperplasia           | Moderate                |
| * Intestine Large, Rectum  | Goblet Cell      | Hyperplasia           | Moderate                |
|                            | Anus, Epithelium | Hyperplasia           | Squamous, Moderate      |
|                            | Anus             | Inflammation          | Chronic Active, Mild    |
| * Kidney                   | Renal Tubule     | Mineralization        | Mild                    |
| * Lymph Node, Mesenteric   |                  | Hyperplasia           | Lymphoid, Marked        |
| [ Hyperplasia TGLs = 1-9 ] |                  |                       |                         |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 100

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600312

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur             | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Esophagus               | * Eye                       | * Harderian Gland        | * Heart                    |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         | * Uterus                    |                          |                            |

**MISSING**

- \* Pituitary Gland

**OBSERVATIONS**

- |                          |              |                |                         |
|--------------------------|--------------|----------------|-------------------------|
| * Clitoral Gland         |              | Inflammation   | Suppurative, Mild       |
| * Intestine Large, Cecum | Goblet Cell  | Hyperplasia    | Minimal                 |
| * Intestine Large, Colon | Goblet Cell  | Hyperplasia    | Mild                    |
| * Kidney                 | Renal Tubule | Mineralization | Mild                    |
|                          |              | Nephropathy    | Chronic, Minimal        |
| * Liver                  |              | Inflammation   | Chronic Active, Minimal |
| * Lymph Node, Mesenteric |              | Hyperplasia    | Lymphoid, Mild          |
| * Pituitary Gland        |              |                |                         |

Note: Wet tissue attempted

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 100

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                            |                        |                      |
|-----------------------------|----------------------------|------------------------|----------------------|
| * Adrenal Cortex            | * Adrenal Medulla          | * Blood Vessel         | Bone Marrow          |
| * Bone, Femur               | * Brain, Brain Stem        | * Brain, Cerebellum    | * Brain, Cerebrum    |
| * Esophagus                 | * Eye                      | * Harderian Gland      | * Heart              |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic   | * Liver              |
| * Lung                      | * Lymph Node, Mandibular   | * Mammary Gland        | * Nose               |
| * Pancreas                  | * Parathyroid Gland        | * Pituitary Gland      | * Salivary Glands    |
| * Skin                      | * Spleen                   | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus                    | * Thyroid Gland            | * Trachea              | * Urinary Bladder    |
| * Uterus                    |                            |                        |                      |

OBSERVATIONS

- |                           |                            |                       |                      |
|---------------------------|----------------------------|-----------------------|----------------------|
| * Clitoral Gland          |                            | Inflammation          | Suppurative, Mild    |
| * Intestine Large, Cecum  | Goblet Cell                | Hyperplasia           | Mild                 |
|                           |                            | Infiltration Cellular | Polymorphnuclr, Mild |
| * Intestine Large, Colon  | Goblet Cell                | Hyperplasia           | Moderate             |
| * Intestine Large, Rectum | Goblet Cell                | Hyperplasia           | Minimal              |
| * Intestine Small, Ileum  | Goblet Cell                | Hyperplasia           | Mild                 |
| * Kidney                  | Renal Tubule               | Mineralization        | Mild                 |
| * Lymph Node, Mesenteric  |                            | Hyperplasia           | Lymphoid, Marked     |
|                           | [ Hyperplasia TGLs = 1-9 ] |                       |                      |
| * Ovary                   | Interstit Cell             | Hyperplasia           | Mild                 |
| * Uterus                  |                            |                       |                      |

Note: TGL 2 - NCL

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 31

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600322

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Blood Vessel              | * Bone, Femur            | * Brain, Brain Stem        |
| * Brain, Cerebellum       | * Brain, Cerebrum           | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        | * Uterus                   |

**MISSING**

- \* Adrenal Medulla

**OBSERVATIONS**

- \* Adren Medulla

Note: Two slides sent for complete section; Per pathologist no recut requested

- |                  |              |                       |                   |
|------------------|--------------|-----------------------|-------------------|
| Bone Marrow      |              | Hypocellularity       | Moderate          |
| * Clitoral Gland |              | Infiltration Cellular | Lymphoid, Minimal |
| * Kidney         | Renal Tubule | Mineralization        | Minimal           |
| * Thymus         |              | Atrophy               | Mild              |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20116 - 01

**Test Type:** 90-DAY

**Route:** DOSED WATER

**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

**CAS Number:** ALOEVLEAFEXT

**Date Report Requested:** 09/06/2016

**Time Report Requested:** 10:34:59

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

**Lab:** NCTR

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**ANIMAL ID:** 331

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 26

**DOSE:** 3% WLN

**DISP:** Natural Death

**HISTO:** 021420600331

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\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION

Animal Note: No Tissue Taken due to advanced autolysis.

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Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 100

DOSE: 3% WLN

DISP: Terminal Sacrifice

HISTO: 021420600332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                      |
|-----------------------------|--------------------------|----------------------------|----------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow          |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum    |
| * Esophagus                 | * Eye                    | * Harderian Gland          | * Heart              |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland      |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland  |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Spleen             |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland      |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                      |

OBSERVATIONS

- |                            |              |                       |                          |
|----------------------------|--------------|-----------------------|--------------------------|
| * Clitoral Gland           |              | Inflammation          | Suppurative, Minimal     |
| * Intestine Large, Cecum   | Goblet Cell  | Hyperplasia           | Moderate                 |
| * Intestine Large, Colon   | Goblet Cell  | Hyperplasia           | Marked                   |
|                            |              | Infiltration Cellular | Polymorphnuclr, Moderate |
| * Intestine Large, Rectum  | Goblet Cell  | Hyperplasia           | Minimal                  |
| * Kidney                   | Renal Tubule | Mineralization        | Mild                     |
| * Lymph Node, Mesenteric   |              | Hyperplasia           | Lymphoid, Marked         |
| [ Hyperplasia TGLs = 1-9 ] |              |                       |                          |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 26

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain, Brain Stem
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Pancreas
- \* Skin
- \* Trachea
- \* Adrenal Medulla
- \* Brain, Cerebellum
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Spleen
- \* Urinary Bladder
- \* Blood Vessel
- \* Brain, Cerebrum
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Bone, Femur
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Nose
- \* Salivary Glands
- \* Thyroid Gland

MISSING

- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- Bone Marrow
  - \* Clitoral Gland
  - \* Mammary GI
    - Note: Wet tissue attempted
  - Mesentery
    - Note: Wet tissue attempted
  - \* Ovary
    - [ Hypoplasia TGLs = 1-11 ]
  - \* Spleen
    - Note: TGL 3 - NCL
  - \* Stomach, Forestomach
  - \* Thymus
    - Note: Wet tissue attempted
  - \* Uterus
    - [ Hypoplasia TGLs = 2-11 ]
- Hypocellularity  
Inflammation
- Hypoplasia
- Hyperkeratosis
- Hypoplasia
- Moderate  
Suppurative, Minimal
- Moderate
- Minimal
- Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 31

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain, Brain Stem
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Spleen
- \* Trachea
- \* Adrenal Medulla
- \* Brain, Cerebellum
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Blood Vessel
- \* Brain, Cerebrum
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Nose
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone, Femur
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Skin
- \* Thyroid Gland

MISSING

- \* Lymph Node, Mesenteric

OBSERVATIONS

- Bone Marrow
  - \* Clitoral Gland
    - [ Inflammation TGLs = 1-11 ]
  - \* Int Lg Colon
    - Note: Located on slide 8
  - \* Int Sm Ileum
    - Note: Located on slide 9A
  - \* Kidney
    - Renal Tubule
  - \* Lym Node Mesen
    - Note: Wet tissue attempted
  - \* Ovary
  - \* Thymus
  - \* Uterus
  - Vagina
    - Lumen
    - [ Dilatation TGLs = 2-14 ]
- Hypocellularity  
Inflammation
- Mineralization
- Hypoplasia  
Atrophy  
Hypoplasia  
Dilatation
- Moderate  
Suppurative, Marked
- Mild
- Minimal  
Marked  
Minimal  
Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 31

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600351

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone, Femur            |
| * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           | * Esophagus              |
| * Eye                      | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                            |                 |                       |
|----------------------------|-----------------|-----------------------|
| Bone Marrow                | Hypocellularity | Moderate              |
| * Clitoral Gland           | Inflammation    | Suppurative, Moderate |
| * Mammary GI               |                 |                       |
| Note: Wet tissue attempted |                 |                       |
| * Ovary                    | Hypoplasia      | Moderate              |
| * Thymus                   | Atrophy         | Marked                |
| * Uterus                   | Hypoplasia      | Moderate              |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 352

TRT#: 4

SEX: Female

DAY ON TEST: 31

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600352

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone, Femur            |
| * Brain, Brain Stem        | * Brain, Cerebellum       | * Brain, Cerebrum           | * Esophagus              |
| * Eye                      | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

**OBSERVATIONS**

- |                  |              |                 |                       |
|------------------|--------------|-----------------|-----------------------|
| Bone Marrow      |              | Hypocellularity | Marked                |
| * Clitoral Gland |              | Inflammation    | Suppurative, Moderate |
| * Kidney         | Renal Tubule | Mineralization  | Moderate              |
| * Thymus         |              | Atrophy         | Moderate              |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 361

TRT#: 4

SEX: Female

DAY ON TEST: 34

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain, Brain Stem
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Spleen
- \* Trachea
- \* Adrenal Medulla
- \* Brain, Cerebellum
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Blood Vessel
- \* Brain, Cerebrum
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Nose
- \* Salivary Glands
- \* Stomach, Glandular
- \* Bone, Femur
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Skin
- \* Thyroid Gland

MISSING

- \* Mammary Gland

OBSERVATIONS

- Bone Marrow
  - \* Clitoral Gland
  - \* Liver
    - [ Hepatodiaphragmatic Nodule TGLs = 2-4 ]
  - \* Mammary GI
    - Note: Recut attempted
  - \* Ovary
  - \* Spleen
    - Note: TGL 3 - NCL
  - \* Thymus
  - \* Uterus
    - [ Hypoplasia TGLs = 1-11 ]
- Hypocellularity
- Inflammation
- Hepatodiaphragmatic Nodule
- Hypoplasia
- Atrophy
- Hypoplasia
- Moderate
- Suppurative, Mild
- Moderate
- Mild
- Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 362

TRT#: 4

SEX: Female

DAY ON TEST: 34

DOSE: 3% WLN

DISP: Moribund Sacrifice

HISTO: 021420600362

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone, Femur               |
| * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum         | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Mammary Gland          | * Nose                     | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Spleen                    |
| * Stomach, Glandular     | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

**OBSERVATIONS**

- |                        |                 |          |
|------------------------|-----------------|----------|
| Bone Marrow            | Hypocellularity | Mild     |
| * Ovary                | Hypoplasia      | Moderate |
| * Stomach, Forestomach | Hyperkeratosis  | Minimal  |
| * Thymus               | Atrophy         | Mild     |
| * Uterus               | Hypoplasia      | Moderate |

[ Hypoplasia TGLs = 1-11 ]

PRIMARY CAUSE OF DEATH

- UNCERTAIN



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

---

ANIMAL ID: 371

TRT#: 2

SEX: Female

DAY ON TEST: 100

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600371

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

---

**OBSERVATIONS**

* Intestine Large, Cecum	Goblet Cell	Hyperplasia	Minimal
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Minimal
* Kidney	Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Minimal
* Spleen		Inflammation	Chronic Active, Marked

---

[ Inflammation TGLs = 1-4 ]

---

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

---

**ANIMAL ID:** 372

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 100

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600372

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Cecum

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Minimal

\* Kidney

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Minimal

---

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 381

TRT#: 2

SEX: Female

DAY ON TEST: 100

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600381

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Spleen

**OBSERVATIONS**

* Intestine Large, Cecum	Goblet Cell	Hyperplasia	Moderate
* Intestine Large, Colon	Goblet Cell	Hyperplasia	Moderate
* Kidney	Renal Tubule	Mineralization	Mild
* Liver		Deformity	
[ Deformity TGLs = 2-4 ]			
Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLs = 1-9 ]			

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 382

TRT#: 2

SEX: Female

DAY ON TEST: 100

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600382

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Liver

\* Spleen

**OBSERVATIONS**

\* Intestine Large, Cecum

Goblet Cell

Hyperplasia

Minimal

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Minimal

\* Kidney

Renal Tubule

Mineralization

Moderate

Uterus

Lumen

Dilatation

Marked

[ Dilatation TGLs = 1-12 ]

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 391

TRT#: 2

SEX: Female

DAY ON TEST: 100

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600391

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Liver

\* Spleen

**OBSERVATIONS**

\* Kidney

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Minimal

\* Spleen

Note: TGL 1 - NCL

Uterus

Lumen

Dilatation

Marked

[ Dilatation TGLs = 2-12 ]

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

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Aloe vera whole leaf extract (native)  
CAS Number: ALOEVLEAFEXT

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

ANIMAL ID: 392

TRT#: 2

SEX: Female

DAY ON TEST: 100

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Intestine Large, Cecum

\* Liver

\* Spleen

OBSERVATIONS

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Mild

Infiltration Cellular

Polymorphnuclr, Mild

\* Kidney

Renal Tubule

Mineralization

Mild

Nephropathy

Chronic, Minimal

Lymph Node, Mesenteric

Hyperplasia

Lymphoid, Marked

[ Hyperplasia TGLs = 1-9 ]

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 401

TRT#: 2

SEX: Female

DAY ON TEST: 101

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600401

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Liver

\* Spleen

**OBSERVATIONS**

\* Intestine Large, Cecum

Goblet Cell

Hyperplasia

Mild

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Minimal

\* Kidney

Renal Tubule

Mineralization

Moderate

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Aloe vera whole leaf extract (native)  
**CAS Number:** ALOEVLEAFEXT

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

---

**ANIMAL ID:** 402

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600402

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Kidney

Renal Tubule

Mineralization  
Nephropathy

Mild  
Chronic, Minimal

---



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 411

TRT#: 2

SEX: Female

DAY ON TEST: 101

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600411

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Spleen

**OBSERVATIONS**

* Intestine Large, Cecum	Goblet Cell	Hyperplasia Infiltration Cellular	Minimal Polymorphnuclr, Minimal
* Intestine Large, Colon	Goblet Cell	Hyperplasia Infiltration Cellular	Mild Polymorphnuclr, Minimal
* Kidney	Renal Tubule	Mineralization Nephropathy	Mild Chronic, Minimal
* Liver		Vacuolization Cytoplasmic	Minimal

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 412

TRT#: 2

SEX: Female

DAY ON TEST: 101

DOSE: 1% WLN

DISP: Terminal Sacrifice

HISTO: 021420600412

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Liver

\* Spleen

**OBSERVATIONS**

\* Kidney

Renal Tubule

Mineralization

Moderate

Nephropathy

Chronic, Minimal

Hyperplasia

Lymphoid, Marked

Lymph Node, Mesenteric

[ Hyperplasia TGLs = 1-9 ]

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Aloe vera whole leaf extract (native)  
**CAS Number:** ALOEVLEAFEXT

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

---

**ANIMAL ID:** 421

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600421

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Intestine Large, Cecum

Goblet Cell

Hyperplasia

Minimal

\* Intestine Large, Colon

Goblet Cell

Hyperplasia

Minimal

\* Kidney

Renal Tubule

Mineralization

Mild

---

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

---

**ANIMAL ID:** 422

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** 1% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600422

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Cecum

\* Intestine Large, Colon

\* Liver

\* Spleen

---

**OBSERVATIONS**

\* Kidney

Renal Tubule

Mineralization

Mild

Lymph Node, Mesenteric

Hyperplasia

Lymphoid, Marked

[ Hyperplasia TGLs = 1-9 ]

---

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 431

TRT#: 3

SEX: Female

DAY ON TEST: 100

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone, Femur
- \* Brain, Brain Stem
- \* Brain, Cerebellum
- \* Esophagus
- \* Eye
- \* Heart
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Lung
- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Liver
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Salivary Glands
- \* Skin
- \* Spleen
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Urinary Bladder
- \* Uterus
- \* Bone Marrow
- \* Brain, Cerebrum
- \* Intestine Small, Duodenum
- \* Nose
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

OBSERVATIONS

- \* Clitoral Gland
  - Duct
  - Dilatation
  - Inflammation
  - Mild
  - Suppurative, Mild
  - [ Dilatation TGLs = 1-12 ]
  - [ Inflammation TGLs = 1-12 ]
- \* Harderian Gland
  - Infiltration Cellular
  - Lymphoid, Mild
- \* Intestine Large, Cecum
  - Goblet Cell
  - Hyperplasia
  - Moderate
- \* Intestine Large, Colon
  - Goblet Cell
  - Hyperplasia
  - Mild
- \* Intestine Large, Rectum
  - Goblet Cell
  - Infiltration Cellular
  - Hyperplasia
  - Polymorphnuclr, Minimal
  - Anus
  - Hyperplasia
  - Moderate
  - Anus
  - Inflammation
  - Squamous, Moderate
  - Chronic Active, Moderate
- \* Kidney
  - Renal Tubule
  - Mineralization
  - Moderate
- \* Lymph Node, Mesenteric
  - Degeneration
  - Hyperplasia
  - Cystic, Marked
  - Lymphoid, Marked
  - [ Degeneration TGLs = 2-9 ]
  - [ Hyperplasia TGLs = 2-9 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 432

TRT#: 3

SEX: Female

DAY ON TEST: 100

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                      |                             |                          |                            |
|----------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex     | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur        | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Clitoral Gland     | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart              | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland      | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland  | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Spleen             | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland      | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

- |                           |              |                |                  |
|---------------------------|--------------|----------------|------------------|
| * Intestine Large, Cecum  | Goblet Cell  | Hyperplasia    | Minimal          |
| * Intestine Large, Colon  | Goblet Cell  | Hyperplasia    | Mild             |
| * Intestine Large, Rectum | Goblet Cell  | Hyperplasia    | Minimal          |
| * Kidney                  | Renal Tubule | Mineralization | Mild             |
|                           |              | Nephropathy    | Chronic, Minimal |
| * Lymph Node, Mesenteric  |              | Hyperplasia    | Lymphoid, Marked |
| * Uterus                  | Lumen        | Dilatation     | Moderate         |

[ Dilatation TGLs = 1-9 ]

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 441

TRT#: 3

SEX: Female

DAY ON TEST: 100

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600441

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | Bone Marrow              |
| * Bone, Femur              | * Brain, Brain Stem       | * Brain, Cerebellum         | * Brain, Cerebrum        |
| * Clitoral Gland           | * Esophagus               | * Eye                       | * Harderian Gland        |
| * Heart                    | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular   | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

**OBSERVATIONS**

- |                            |              |                       |                         |
|----------------------------|--------------|-----------------------|-------------------------|
| * Intestine Large, Cecum   | Goblet Cell  | Hyperplasia           | Marked                  |
| * Intestine Large, Colon   | Goblet Cell  | Hyperplasia           | Marked                  |
|                            |              | Infiltration Cellular | Polymorphnuclr, Minimal |
| * Kidney                   | Renal Tubule | Mineralization        | Mild                    |
| * Lymph Node, Mesenteric   |              | Hyperplasia           | Lymphoid, Moderate      |
| [ Hyperplasia TGLs = 1-9 ] |              |                       |                         |

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 442

TRT#: 3

SEX: Female

DAY ON TEST: 31

DOSE: 2% WLN

DISP: Moribund Sacrifice

HISTO: 021420600442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone, Femur               |
| * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum         | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Mammary Gland          | * Nose                     | * Ovary                   | * Pancreas                  |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Spleen                    |
| * Stomach, Glandular     | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |
| * Uterus                 |                            |                           |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |  |                 |         |
|--|-----------------|---------|
| Bone Marrow  | Hypocellularity | Marked  |
| * Int Sm Ileum   |                 |         |
| Note: Located on slide 9   |                 |         |
| * Int Sm Jejunum   |                 |         |
| Note: Located on slide 8   |                 |         |
| * Parathyroid Gland  |                 |         |
| Note: Two slides sent for complete section; Per pathologist no recut requested |                 |         |
| * Stomach, Forestomach   | Hyperkeratosis  | Minimal |
| * Thymus   | Atrophy         | Marked  |

PRIMARY CAUSE OF DEATH - UNCERTAIN



Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 451

TRT#: 3

SEX: Female

DAY ON TEST: 46

DOSE: 2% WLN

DISP: Moribund Sacrifice

HISTO: 021420600451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain, Brain Stem
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Adrenal Medulla
- \* Brain, Cerebellum
- \* Heart
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Skin
- \* Urinary Bladder
- \* Blood Vessel
- \* Brain, Cerebrum
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Bone, Femur
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach

MISSING

- \* Esophagus
- \* Parathyroid Gland
- \* Thyroid Gland
- \* Trachea

OBSERVATIONS

- Bone Marrow
  - \* Clitoral Gland
  - \* Esophagus
    - Note: Wet tissue attempted
  - \* Intestine Large, Colon
  - \* Kidney
  - \* Ovary
  - \* Parathyroid GI
    - Note: Wet tissue attempted
  - \* Thymus
  - \* Thyroid GI
    - Note: Wet tissue attempted
  - \* Trachea
    - Note: Wet tissue attempted
  - \* Uterus
- Goblet Cell
  - Renal Tubule
- Hypocellularity
  - Inflammation
  - Hyperplasia
  - Infiltration Cellular
  - Mineralization
  - Hypoplasia
  - Atrophy
  - Hypoplasia
- Mild
  - Suppurative, Mild
  - Mild
  - Lymphoid, Mild
  - Mild
  - Mild
  - Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 452

TRT#: 3

SEX: Female

DAY ON TEST: 100

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                      |
|-----------------------------|--------------------------|----------------------------|----------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow          |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum    |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Harderian Gland    |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland      |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland  |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Spleen             |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            | * Trachea            |
| * Urinary Bladder           | * Uterus                 |                            |                      |

OBSERVATIONS

- |                           |                            |                |                        |
|---------------------------|----------------------------|----------------|------------------------|
| * Heart                   |                            | Inflammation   | Chronic Active, Marked |
|                           |                            | Polyarteritis  | Marked                 |
| * Intestine Large, Cecum  | Goblet Cell                | Hyperplasia    | Moderate               |
| * Intestine Large, Colon  | Goblet Cell                | Hyperplasia    | Mild                   |
| * Intestine Large, Rectum | Goblet Cell                | Hyperplasia    | Minimal                |
| * Kidney                  | Renal Tubule               | Mineralization | Mild                   |
| * Lymph Node, Mesenteric  |                            | Hyperplasia    | Lymphoid, Moderate     |
|                           | [ Hyperplasia TGLs = 1-9 ] |                |                        |
| * Thymus                  |                            | Atrophy        | Mild                   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 461

TRT#: 3

SEX: Female

DAY ON TEST: 31

DOSE: 2% WLN

DISP: Moribund Sacrifice

HISTO: 021420600461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain, Brain Stem
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Thymus
- \* Uterus
- \* Adrenal Medulla
- \* Brain, Cerebellum
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Thyroid Gland
- \* Blood Vessel
- \* Brain, Cerebrum
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spleen
- \* Trachea
- \* Bone, Femur
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Urinary Bladder

OBSERVATIONS

- Bone Marrow
- \* Clitoral Gland
- [ Dilatation TGLs = 1-11 ]
- [ Inflammation TGLs = 1-11 ]
- \* Kidney
- \* Lym Node Mesen
- Note: TGL 3 - NCL
- Lymph Node
- [ Hyperplasia TGLs = 2-14 ]
- \* Stomach, Forestomach
- Duct
- Renal Tubule
- Lumbar
- Hypocellularity
- Dilatation
- Inflammation
- Mineralization
- Hyperplasia
- Hyperkeratosis
- Moderate
- Marked
- Suppurative, Marked
- Mild
- Lymphoid, Minimal
- Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 462

TRT#: 3

SEX: Female

DAY ON TEST: 101

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                      |
|-----------------------------|--------------------------|----------------------------|----------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow          |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum    |
| * Esophagus                 | * Eye                    | * Harderian Gland          | * Heart              |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland      |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland  |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Spleen             |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland      |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                      |

OBSERVATIONS

- |                            |              |                       |                      |
|----------------------------|--------------|-----------------------|----------------------|
| * Clitoral Gland           |              | Inflammation          | Suppurative, Mild    |
| * Intestine Large, Cecum   | Goblet Cell  | Hyperplasia           | Minimal              |
| * Intestine Large, Colon   | Goblet Cell  | Hyperplasia           | Moderate             |
|                            |              | Infiltration Cellular | Polymorphnuclr, Mild |
| * Intestine Large, Rectum  | Goblet Cell  | Hyperplasia           | Minimal              |
| * Kidney                   | Renal Tubule | Mineralization        | Moderate             |
|                            |              | Nephropathy           | Chronic, Minimal     |
| * Lymph Node, Mesenteric   |              | Hyperplasia           | Lymphoid, Marked     |
| [ Hyperplasia TGLs = 1-9 ] |              |                       |                      |

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

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Aloe vera whole leaf extract (native)  
CAS Number: ALOEVLEAFEXT

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

ANIMAL ID: 471

TRT#: 3

SEX: Female

DAY ON TEST: 31

DOSE: 2% WLN

DISP: Moribund Sacrifice

HISTO: 021420600471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone, Femur
* Brain, Brain Stem	* Brain, Cerebellum	* Brain, Cerebrum	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Pituitary Gland

OBSERVATIONS

Bone Marrow	Hypocellularity	Marked
* Clitoral Gland	Inflammation	Chronic Active, Mild
* Ovary	Hypoplasia	Moderate
* Pituitary GI		
Note: Wet tissue attempted		
* Uterus	Hypoplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

ANIMAL ID: 472

TRT#: 3

SEX: Female

DAY ON TEST: 101

DOSE: 2% WLN

DISP: Terminal Sacrifice

HISTO: 021420600472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                        |                             |                          |                            |
|------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex       | * Adrenal Medulla           | * Blood Vessel           | Bone Marrow                |
| * Bone, Femur          | * Brain, Brain Stem         | * Brain, Cerebellum      | * Brain, Cerebrum          |
| * Clitoral Gland       | * Esophagus                 | * Eye                    | * Harderian Gland          |
| * Heart                | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic   | * Liver                     | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland        | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland      | * Salivary Glands           | * Skin                   | * Spleen                   |
| * Stomach, Forestomach | * Stomach, Glandular        | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder      | * Uterus                    |                          |                            |

OBSERVATIONS

- |                           |                            |                |                      |
|---------------------------|----------------------------|----------------|----------------------|
| * Intestine Large, Cecum  | Goblet Cell                | Hyperplasia    | Moderate             |
| * Intestine Large, Colon  | Goblet Cell                | Hyperplasia    | Moderate             |
| * Intestine Large, Rectum | Goblet Cell                | Hyperplasia    | Mild                 |
|                           | Anus                       | Hyperplasia    | Squamous, Mild       |
|                           | Anus                       | Inflammation   | Chronic Active, Mild |
| * Kidney                  | Renal Tubule               | Mineralization | Mild                 |
| * Lymph Node, Mesenteric  |                            | Hyperplasia    | Lymphoid, Marked     |
|                           | [ Hyperplasia TGLs = 1-9 ] |                |                      |
| * Ovary                   | Interstit Cell             | Hyperplasia    | Minimal              |
| * Thymus                  |                            | Atrophy        | Moderate             |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 481

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** 2% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600481

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                        |                             |
|--------------------------|----------------------------|------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel         | Bone Marrow                 |
| * Bone, Femur            | * Brain, Brain Stem        | * Brain, Cerebellum    | * Brain, Cerebrum           |
| * Esophagus              | * Eye                      | * Heart                | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic   | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland        | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland      | * Salivary Glands           |
| * Skin                   | * Spleen                   | * Stomach, Forestomach | * Stomach, Glandular        |
| * Thymus                 | * Thyroid Gland            | * Trachea              | * Urinary Bladder           |
| * Uterus                 |                            |                        |                             |

**OBSERVATIONS**

- |                           |                |                       |                      |
|---------------------------|----------------|-----------------------|----------------------|
| * Clitoral Gland          |                | Inflammation          | Suppurative, Minimal |
| * Harderian Gland         |                | Infiltration Cellular | Lymphoid, Minimal    |
| * Intestine Large, Cecum  | Goblet Cell    | Hyperplasia           | Minimal              |
| * Intestine Large, Colon  | Goblet Cell    | Hyperplasia           | Minimal              |
| * Intestine Large, Rectum | Goblet Cell    | Hyperplasia           | Minimal              |
| * Kidney                  |                | Nephropathy           | Chronic, Minimal     |
| * Lymph Node, Mesenteric  |                | Hyperplasia           | Lymphoid, Marked     |
| * Ovary                   | Interstit Cell | Hyperplasia           | Minimal              |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20116 - 01

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Aloe vera whole leaf extract (native)

CAS Number: ALOEVLEAFEXT

Date Report Requested: 09/06/2016

Time Report Requested: 10:34:59

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

Lab: NCTR

**ANIMAL ID:** 482

**TRT#:** 3

**SEX:** Female

**DAY ON TEST:** 101

**DOSE:** 2% WLN

**DISP:** Terminal Sacrifice

**HISTO:** 021420600482

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                      |
|-----------------------------|--------------------------|----------------------------|----------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | * Blood Vessel             | Bone Marrow          |
| * Bone, Femur               | * Brain, Brain Stem      | * Brain, Cerebellum        | * Brain, Cerebrum    |
| * Esophagus                 | * Eye                    | * Harderian Gland          | * Heart              |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver                     | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland      |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland  |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Spleen             |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland      |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                      |

**OBSERVATIONS**

- |                            |              |                       |                       |
|----------------------------|--------------|-----------------------|-----------------------|
| * Clitoral Gland           |              | Inflammation          | Suppurative, Moderate |
| * Intestine Large, Cecum   | Goblet Cell  | Hyperplasia           | Mild                  |
| * Intestine Large, Colon   | Goblet Cell  | Hyperplasia           | Moderate              |
|                            |              | Infiltration Cellular | Polymorphnuclr, Mild  |
| * Intestine Large, Rectum  | Goblet Cell  | Hyperplasia           | Mild                  |
| * Kidney                   | Renal Tubule | Mineralization        | Moderate              |
| * Lymph Node, Mesenteric   |              | Hyperplasia           | Lymphoid, Moderate    |
| [ Hyperplasia TGLs = 1-9 ] |              |                       |                       |

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