

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | |
|-----------------------------|--------------|
| C Number: | C20108A |
| Lock Date: | Not Entered. |
| Cage Range: | All |
| Date Range: | All |
| Reasons For Removal: | All |
| Removal Date Range: | All |
| Treatment Groups: | All |
| Study Gender: | Male |
| PWG Approval Date | NONE |

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|------------------------------|----------------------------------|------------------------|
| ANIMAL ID: 129 | TRT#: 1 | SEX: Male | DAY ON TEST: 57 |
| | DOSE: VEHICLE CONTROL | DISP: Scheduled Sacrifice | HISTO: 129 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------|-------------------------|-----------------------|------------------------|
| Kidney | Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe |
| Spleen | Testes | Urinary Bladder | |

MISSING

| | | | |
|-----------------|------------------------|--|--|
| Pituitary Gland | Prostate, Ventral Lobe | | |
|-----------------|------------------------|--|--|

OBSERVATIONS

| | | | |
|-----------------|--|--------------|----------------|
| Epididymis | | Fibrosis | Mild |
| Liver | | Inflammation | Focal, Minimal |
| Seminal Vesicle | | Inflammation | Focal, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|------------------------------|----------------------------------|------------------------|
| ANIMAL ID: 130 | TRT#: 1 | SEX: Male | DAY ON TEST: 87 |
| | DOSE: VEHICLE CONTROL | DISP: Scheduled Sacrifice | HISTO: 130 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------|--------|--------|--------|
| Epididymis | Kidney | Spleen | Testes |
| Urinary Bladder | | | |

MISSING

| | | |
|-----------------|------------------------|------------------------|
| Pituitary Gland | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
|-----------------|------------------------|------------------------|

OBSERVATIONS

| | | |
|---|-------------------|----------------|
| Liver | Inflammation | Focal, Minimal |
| | Tension Lipidosis | Mild |
| Prostate, Anterior Lobe | Inflammation | Focal, Minimal |
| Prostate, Dorsal Lobe | Hyperplasia | Grade 1, Focal |
| Note: ASSOCIATED WITH PLUGS OF LUMINAL SECRETION. | | |
| Seminal Vesicle | Inflammation | Focal, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|------------------------------|----------------------------------|------------------------|
| ANIMAL ID: 131 | TRT#: 1 | SEX: Male | DAY ON TEST: 89 |
| | DOSE: VEHICLE CONTROL | DISP: Scheduled Sacrifice | HISTO: 131 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-------------------------|
| Epididymis | Kidney | Pituitary Gland | Prostate, Anterior Lobe |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

OBSERVATIONS

| | | |
|-------|--------------|----------------|
| Liver | Inflammation | Focal, Minimal |
|-------|--------------|----------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|------------------------------|----------------------------------|------------------------|
| ANIMAL ID: 132 | TRT#: 1 | SEX: Male | DAY ON TEST: 87 |
| | DOSE: VEHICLE CONTROL | DISP: Scheduled Sacrifice | HISTO: 132 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

OBSERVATIONS

| | | |
|------------------------|--------------|----------------|
| Prostate, Lateral Lobe | Hyperplasia | Grade 2, Focal |
| | Inflammation | Focal, Minimal |

Note: HYPERPLASIA ASSOCIATED WITH LUMINAL SECRETION PLUG.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|------------------------------|----------------------------------|------------------------|
| ANIMAL ID: 133 | TRT#: 1 | SEX: Male | DAY ON TEST: 89 |
| | DOSE: VEHICLE CONTROL | DISP: Scheduled Sacrifice | HISTO: 133 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-------------------------|
| Epididymis | Kidney | Pituitary Gland | Prostate, Anterior Lobe |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--------|-----------|--------------|----------------|
| Liver | Bile Duct | Inflammation | Minimal |
| | | Inflammation | Focal, Minimal |
| Testes | | Atrophy | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|------------------------------|----------------------------------|------------------------|
| ANIMAL ID: 134 | TRT#: 1 | SEX: Male | DAY ON TEST: 58 |
| | DOSE: VEHICLE CONTROL | DISP: Scheduled Sacrifice | HISTO: 134 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|-----------------|-------------------------|
| Epididymis | Kidney | Pituitary Gland | Prostate, Anterior Lobe |
| Prostate, Dorsal Lobe | Seminal Vesicle | Spleen | Testes |

MISSING

Prostate, Ventral Lobe

OBSERVATIONS

| | | |
|--|--------------|----------------|
| Liver | Inflammation | Focal, Minimal |
| Prostate, Lateral Lobe | Hyperplasia | Grade 1, Focal |
| Note: ASSOCIATED WITH INTRALUMINAL SECRETION PLUG. | | |
| Urinary Bladder | Serosa | Mineralization |
| | | Focal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 135

TRT#: 1

SEX: Male

DAY ON TEST: 57

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

MISSING

Prostate, Ventral Lobe

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|------------------------------|----------------------------------|------------------------|
| ANIMAL ID: 136 | TRT#: 1 | SEX: Male | DAY ON TEST: 89 |
| | DOSE: VEHICLE CONTROL | DISP: Scheduled Sacrifice | HISTO: 136 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|------------------------|-------------------------|-----------------------|
| Epididymis | Kidney | Prostate, Anterior Lobe | Prostate, Dorsal Lobe |
| Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle | Spleen |
| Testes | Urinary Bladder | | |

MISSING

Pituitary Gland

OBSERVATIONS

| | | |
|-------|--------------|----------------|
| Liver | Inflammation | Focal, Minimal |
|-------|--------------|----------------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|------------------------------|----------------------------------|------------------------|
| ANIMAL ID: 137 | TRT#: 1 | SEX: Male | DAY ON TEST: 87 |
| | DOSE: VEHICLE CONTROL | DISP: Scheduled Sacrifice | HISTO: 137 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------|-------------------------|-----------------------|------------------------|
| Epididymis | Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe |
| Seminal Vesicle | Spleen | Testes | Urinary Bladder |

MISSING

| | |
|-----------------|------------------------|
| Pituitary Gland | Prostate, Ventral Lobe |
|-----------------|------------------------|

OBSERVATIONS

| | | | |
|--------|-----------------------|---------------|----------------|
| Kidney | Renal Tubule | Casts Protein | Minimal |
| | Medulla, Renal Tubule | Dilatation | Focal, Minimal |
| Liver | | Inflammation | Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 138

TRT#: 1

SEX: Male

DAY ON TEST: 33

DOSE: VEHICLE CONTROL

DISP: Scheduled Sacrifice

HISTO: 138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-------------------------|
| Epididymis | Kidney | Lymph Node | Prostate, Anterior Lobe |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

MISSING

Pituitary Gland

OBSERVATIONS

| | | |
|------------|--------------|----------------|
| Liver | Inflammation | Focal, Minimal |
| Lymph Node | | |

Note: INGUINAL LYMPH NODE - NORMAL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 161 | TRT#: 2 | SEX: Male | DAY ON TEST: 89 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 161 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|-----------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Seminal Vesicle | Urinary Bladder |

MISSING

| | |
|------------------------|------------------------|
| Prostate, Lateral Lobe | Prostate, Ventral Lobe |
|------------------------|------------------------|

OBSERVATIONS

| | | | |
|--------|----------------|----------------------------------|---------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Testes | Germinal Epith | Syncytial Alteration | Minimal |
| | Germinal Epith | Vacuolization Cytoplasmic | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 162 | TRT#: 2 | SEX: Male | DAY ON TEST: 88 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 162 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

OBSERVATIONS

| | | |
|-------------------------|-------------|---------------------|
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Multifocal |
|-------------------------|-------------|---------------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 163

TRT#: 2

SEX: Male

DAY ON TEST: 85

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|------------------------|-----------------|-----------------------|
| Epididymis | Kidney | Liver | Prostate, Dorsal Lobe |
| Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle | Spleen |
| Testes | Urinary Bladder | | |

MISSING

Pituitary Gland

OBSERVATIONS

| | | |
|-------------------------|-------------|----------------|
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Focal |
|-------------------------|-------------|----------------|

PRIMARY CAUSE OF DEATH

-

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 164 | TRT#: 2 | SEX: Male | DAY ON TEST: 57 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 164 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

OBSERVATIONS

| | | |
|-------------------------|-------------|----------------|
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Focal |
|-------------------------|-------------|----------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 165 | TRT#: 2 | SEX: Male | DAY ON TEST: 58 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 165 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Testes | Urinary Bladder | | |

MISSING

Spleen

OBSERVATIONS

| | | |
|-------------------------|-------------|---------------------|
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Multifocal |
|-------------------------|-------------|---------------------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 166

TRT#: 2

SEX: Male

DAY ON TEST: 33

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Epididymis | Liver | Lymph Node | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Spleen | Testes | Urinary Bladder |

OBSERVATIONS

| | | |
|-----------------------------------|----------------|------|
| Kidney | Hydronephrosis | Mild |
| Lymph Node | | |
| Note: Mammary Lymph Node - Normal | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 167 | TRT#: 2 | SEX: Male | DAY ON TEST: 87 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 167 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-----------------|-----------------|-----------------------|
| Epididymis | Kidney | Pituitary Gland | Prostate, Dorsal Lobe |
| Prostate, Lateral Lobe | Seminal Vesicle | Spleen | Testes |
| Urinary Bladder | | | |

MISSING

Prostate, Ventral Lobe

OBSERVATIONS

| | | |
|-------------------------|-------------------|---------------------|
| Liver | Tension Lipidosis | Mild |
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Multifocal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 168

TRT#: 2

SEX: Male

DAY ON TEST: 85

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|--------|-------------------------|
| Epididymis | Kidney | Liver | Prostate, Anterior Lobe |
| Prostate, Dorsal Lobe | Seminal Vesicle | Spleen | Testes |
| Urinary Bladder | | | |

MISSING

| | | | |
|-----------------|------------------------|------------------------|--|
| Pituitary Gland | Prostate, Lateral Lobe | Prostate, Ventral Lobe | |
|-----------------|------------------------|------------------------|--|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 169 | TRT#: 2 | SEX: Male | DAY ON TEST: 87 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 169 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|------------------------|-----------------|-----------------------|
| Epididymis | Liver | Pituitary Gland | Prostate, Dorsal Lobe |
| Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle | Spleen |
| Testes | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-------------------------|----------------------|--------------|----------------|
| Kidney | Cortex, Renal Tubule | Regeneration | Focal, Minimal |
| Prostate, Anterior Lobe | | Hyperplasia | Grade 1, Focal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 170 | TRT#: 2 | SEX: Male | DAY ON TEST: 88 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 170 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------|-----------------------|------------------------|-----------------|
| Liver | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Seminal Vesicle |
| Spleen | Testes | | |

MISSING

| | | | |
|------------|-----------------|------------------------|-----------------|
| Epididymis | Pituitary Gland | Prostate, Ventral Lobe | Urinary Bladder |
|------------|-----------------|------------------------|-----------------|

OBSERVATIONS

| | | | |
|-------------------------|--------------|---------------|----------------|
| Kidney | Renal Tubule | Casts Protein | Minimal |
| Prostate, Anterior Lobe | | Hyperplasia | Grade 1, Focal |
| Testes | | | |

Note: ONE MISSING.

PRIMARY CAUSE OF DEATH

-

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|---|--|---|
| ANIMAL ID: 171 | TRT#: 2 DOSE: 200MG/KG | SEX: Male DISP: Scheduled Sacrifice | DAY ON TEST: 86 HISTO: 171 |
|-----------------------|---|--|---|

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Spleen | Testes | Urinary Bladder |

MISSING

| | |
|------------|-----------------|
| Epididymis | Pituitary Gland |
|------------|-----------------|

OBSERVATIONS

| | | | |
|--------|----------------------|---------------|----------------|
| Kidney | Renal Tubule | Casts Protein | Minimal |
| | Cortex, Renal Tubule | Dilatation | Focal, Minimal |
| Liver | | Inflammation | Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 172

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Testes | Urinary Bladder | |

MISSING

Spleen

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 173

TRT#: 2

SEX: Male

DAY ON TEST: 85

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Spleen | Testes | Urinary Bladder |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 174

TRT#: 2

SEX: Male

DAY ON TEST: 57

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Spleen | Testes | Urinary Bladder |

OBSERVATIONS

Testes
Note: ONE DAMAGED.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 175

TRT#: 2

SEX: Male

DAY ON TEST: 89

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Testes | Urinary Bladder | |

OBSERVATIONS

| | | |
|--------|----------------------------------|------|
| Spleen | Hematopoietic Cell Proliferation | Mild |
|--------|----------------------------------|------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 176 | TRT#: 2 | SEX: Male | DAY ON TEST: 87 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 176 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|-----------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Seminal Vesicle | Spleen |
| Urinary Bladder | | | |

MISSING

Prostate, Ventral Lobe

OBSERVATIONS

| | | | |
|-------------------------------------|----------------|---------------------------|----------------|
| Prostate, Lateral Lobe | | Hyperplasia | Grade 1, Focal |
| Note: ASSOCIATED WITH LUMINAL CAST. | | | |
| Testes | Germinal Epith | Vacuolization Cytoplasmic | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 177

TRT#: 2

SEX: Male

DAY ON TEST: 86

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

MISSING

Prostate, Ventral Lobe

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 178

TRT#: 2

SEX: Male

DAY ON TEST: 32

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Spleen | Testes | Urinary Bladder |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 179

TRT#: 2

SEX: Male

DAY ON TEST: 88

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|-----------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Seminal Vesicle | Spleen |
| Testes | | | |

MISSING

| | | | |
|------------------------|-----------------|--|--|
| Prostate, Ventral Lobe | Urinary Bladder | | |
|------------------------|-----------------|--|--|

OBSERVATIONS

| | | | |
|-------------------------|-------------|----------------|--|
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Focal | |
|-------------------------|-------------|----------------|--|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 180 | TRT#: 2 | SEX: Male | DAY ON TEST: 87 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 180 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-------------------------|
| Epididymis | Liver | Pituitary Gland | Prostate, Anterior Lobe |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--------|----------------------|----------------------|----------------|
| Kidney | Cortex, Renal Tubule | Dilatation | Focal, Minimal |
| Testes | Germinal Epith | Syncytial Alteration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 181 | TRT#: 2 | SEX: Male | DAY ON TEST: 58 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 181 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|------------------------|-----------------|-----------------------|
| Epididymis | Kidney | Liver | Prostate, Dorsal Lobe |
| Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle | Testes |

MISSING

| | | |
|-----------------|--------|-----------------|
| Pituitary Gland | Spleen | Urinary Bladder |
|-----------------|--------|-----------------|

OBSERVATIONS

| | | |
|-------------------------|-------------|----------------|
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Focal |
|-------------------------|-------------|----------------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 182 | TRT#: 2 | SEX: Male | DAY ON TEST: 89 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 182 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|-----------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Seminal Vesicle | Urinary Bladder |

MISSING

Prostate, Ventral Lobe

OBSERVATIONS

| | | | |
|-------------------------|----------------|----------------------------------|----------------|
| Prostate, Anterior Lobe | | Hyperplasia | Grade 1, Focal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Testes | Germinal Epith | Vacuolization Cytoplasmic | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 183 | TRT#: 2 | SEX: Male | DAY ON TEST: 89 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 183 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-----------------|-----------------------|------------------------|
| Epididymis | Liver | Prostate, Dorsal Lobe | Prostate, Lateral Lobe |
| Prostate, Ventral Lobe | Seminal Vesicle | Spleen | Testes |
| Urinary Bladder | | | |

MISSING

Pituitary Gland

OBSERVATIONS

| | | | |
|-------------------------|-----------------------|-------------|----------------|
| Kidney | Medulla, Renal Tubule | Dilatation | Minimal |
| Prostate, Anterior Lobe | | Hyperplasia | Grade 1, Focal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 184 | TRT#: 2 | SEX: Male | DAY ON TEST: 86 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 184 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------------|------------------------|------------------------|-------------------------|
| NORMAL | | | |
| Epididymis | Kidney | Pituitary Gland | Prostate, Anterior Lobe |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

| | | | |
|---------------------|--|--------------|----------------|
| OBSERVATIONS | | | |
| Liver | | Inflammation | Focal, Minimal |

| | | | |
|-------------------------------|---|--|--|
| PRIMARY CAUSE OF DEATH | - | | |
|-------------------------------|---|--|--|

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 185 | TRT#: 2 | SEX: Male | DAY ON TEST: 85 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 185 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-----------------|-----------------------|------------------------|
| Epididymis | Liver | Prostate, Dorsal Lobe | Prostate, Lateral Lobe |
| Prostate, Ventral Lobe | Seminal Vesicle | Spleen | Testes |
| Urinary Bladder | | | |

MISSING

Pituitary Gland

OBSERVATIONS

| | | | |
|-------------------------|-----------------------|-------------|----------------|
| Kidney | Medulla, Renal Tubule | Dilatation | Minimal |
| Prostate, Anterior Lobe | | Hyperplasia | Grade 1, Focal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 186 | TRT#: 2 | SEX: Male | DAY ON TEST: 33 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 186 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Adrenal Cortex | Epididymis | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Spleen | Urinary Bladder | |

OBSERVATIONS

| | | | |
|--------|----------------------|--------------|----------------|
| Kidney | Renal Tubule | Inflammation | Focal, Minimal |
| | Cortex, Renal Tubule | Regeneration | Focal, Minimal |
| Testes | | Atrophy | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 187 | TRT#: 2 | SEX: Male | DAY ON TEST: 32 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 187 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------|--------|--------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Seminal Vesicle | Spleen | Testes | Urinary Bladder |

OBSERVATIONS

| | | |
|-------------------------|-------------|---------------------|
| Prostate, Anterior Lobe | Hyperplasia | Grade 3, Focal |
| Prostate, Dorsal Lobe | Hyperplasia | Grade 3, Multifocal |
| Prostate, Lateral Lobe | Hyperplasia | Grade 3, Multifocal |
| Prostate, Ventral Lobe | Hyperplasia | Grade 3, Focal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 188

TRT#: 2

SEX: Male

DAY ON TEST: 86

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-----------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

OBSERVATIONS

| | | |
|-------------------------|-------------|----------------|
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Focal |
|-------------------------|-------------|----------------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 189

TRT#: 2

SEX: Male

DAY ON TEST: 57

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-----------------------|------------------------|------------------------|
| Epididymis | Kidney | Liver | Pituitary Gland |
| Prostate, Anterior Lobe | Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe |
| Seminal Vesicle | Testes | Urinary Bladder | |

MISSING

Spleen

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 190 | TRT#: 2 | SEX: Male | DAY ON TEST: 33 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 190 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-----------------|--------|-----------------------|
| Epididymis | Kidney | Liver | Prostate, Dorsal Lobe |
| Prostate, Ventral Lobe | Seminal Vesicle | Spleen | Testes |
| Urinary Bladder | | | |

MISSING

| | |
|-----------------|------------------------|
| Pituitary Gland | Prostate, Lateral Lobe |
|-----------------|------------------------|

OBSERVATIONS

| | | |
|-------------------------|-------------|----------------|
| Prostate, Anterior Lobe | Hyperplasia | Grade 1, Focal |
|-------------------------|-------------|----------------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

| | | | |
|-----------------------|-----------------------|----------------------------------|------------------------|
| ANIMAL ID: 191 | TRT#: 2 | SEX: Male | DAY ON TEST: 32 |
| | DOSE: 200MG/KG | DISP: Scheduled Sacrifice | HISTO: 191 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------|-----------------|-----------------|--------|
| Epididymis | Kidney | Seminal Vesicle | Spleen |
| Testes | Urinary Bladder | | |

MISSING

Pituitary Gland

OBSERVATIONS

| | | |
|-------------------------|--------------|---------------------|
| Liver | Inflammation | Focal, Minimal |
| Prostate, Anterior Lobe | Hyperplasia | Grade 3, Focal |
| Prostate, Dorsal Lobe | Hyperplasia | Grade 3, Multifocal |
| Prostate, Lateral Lobe | Hyperplasia | Grade 3, Focal |
| Prostate, Ventral Lobe | Hyperplasia | Grade 2, Focal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20108-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/C57BL/6

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Antioxidant model (TRAMP) - NAO (spinach extract)
CAS Number: NAOSPINEXTR

Date Report Requested: 10/23/2014
Time Report Requested: 11:19:27
First Dose M/F: NA / NA
Lab: ILS

ANIMAL ID: 192

TRT#: 2

SEX: Male

DAY ON TEST: 58

DOSE: 200MG/KG

DISP: Scheduled Sacrifice

HISTO: 192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|------------------------|-------------------------|
| Epididymis | Kidney | Liver | Prostate, Anterior Lobe |
| Prostate, Dorsal Lobe | Prostate, Lateral Lobe | Prostate, Ventral Lobe | Seminal Vesicle |
| Spleen | Testes | Urinary Bladder | |

MISSING

Pituitary Gland

PRIMARY CAUSE OF DEATH -

**** END OF REPORT ****