

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

C Number:	C62113
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Liver	Hematopoietic Cell Proliferation	Focal, Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Gallbladder	Parathyroid Gland
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OBSERVATIONS

Intest Large
Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Liver
Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Urin Bladder
Note: NO CALCULUS PRESENT MICROSCOPICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Liver

Note: HEPATOCELLULAR GLYCOGEN IS MODERATELY INCREASED

Note: CENTRIOBULARLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 93
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Urinary Bladder

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

MISSING

Gallbladder

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Liver

Note: HEPATOCELLULAR GLYCOGEN IS PROMINENT.

Urinary Bladder

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 93
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder

OBSERVATIONS

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 93
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Liver	Hematopoietic Cell Proliferation	Focal, Minimal
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Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

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

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

Urinary Bladder

Calculus Gross Observation

Calculus Micro Observation Only

[Calculus Gross Observation TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: NO FOCUS SEEN MICROSCOPICALLY.

Mesentery

Fat

Developmental Malformation

Moderate

Necrosis

Mild

[Necrosis TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 17	TRT#: 3	SEX: Male	DAY ON TEST: 93
	DOSE: 3.75 PPM	DISP: Terminal Sacrifice	HISTO: 890227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Spleen

[Pigmentation TGLS = 1-3]

Urinary Bladder

[Calculus Gross Observation TGLS = 2-1]

Pigmentation

Hemosiderin, Mild

Calculus Gross Observation

Calculus Micro Observation Only

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: NO FOCUS IS SEEN MICROSCOPICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 25	TRT#: 5	SEX: Male	DAY ON TEST: 92
	DOSE: 7.5 PPM	DISP: Terminal Sacrifice	HISTO: 890205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: NO FOCUS IS SEEN MICROSCOPICALLY.

Urinary Bladder

Calculus Gross Observation

Calculus Micro Observation Only

Moderate

[Calculus Gross Observation TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: NO FOCUS SEEN MICROSCOPICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Preputial Gland

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Preputial GI

Note: PREPUTIAL GLANDS ARE MICROSCOPICALLY NORMAL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: NO FOCUS SEEN MICROSCOPICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Urinary Bladder

Calculus Gross Observation

Calculus Micro Observation Only

Mild

[Calculus Gross Observation TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach

Urinary Bladder

OBSERVATIONS

Stomach

Note: STOMACH IS CONTRACTED.

Urin Bladder

Note: NO CALCULUS SEEN MICROSCOPICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890190

OBSERVATIONS

Harderian Gland

Hyperplasia

Minimal

[Hyperplasia TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Preputial Gland

Thyroid Gland

OBSERVATIONS

Preputial GI

Note: PREPUTIAL GLANDS ARE MICROSCOPICALLY NORMAL.

Thyroid GI

Note: THYROID GLAND IS MICROSCOPICALLY NORMAL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach

OBSERVATIONS

Stomach

Note: STOMACH IS CONTRACTED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach

OBSERVATIONS

Stomach

Note: STOMACH IS CONTRACTED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Urinary Bladder

Calculus Gross Observation

Calculus Micro Observation Only

[Calculus Gross Observation TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

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

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Stomach

Note: SECTION IS PROMINENTLY CONTRACTED; FOCUS IS PROBABLY

Note: AREA NOT CONTRACTED.

Urinary Bladder

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

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

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Urinary Bladder

Calculus Gross Observation

Calculus Micro Observation Only

[Calculus Gross Observation TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

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

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Kidney

Note: NO FOCI OBSERVED MICROSCOPICALLY; PROBABLY CAPSULAR FAT.

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Lymph Node

Lymphocyte

Depletion Cellular

Moderate

Stomach

Note: FORESTOMACH IS CONTRACTED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 57	TRT#: 11	SEX: Male	DAY ON TEST: 93
	DOSE: 60 PPM	DISP: Terminal Sacrifice	HISTO: 890137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Liver
Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

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

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Stomach

Note: STOMACH IS CONTRACTED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 59	TRT#: 11	SEX: Male	DAY ON TEST: 93
	DOSE: 60 PPM	DISP: Terminal Sacrifice	HISTO: 890139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Liver
Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

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

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

Urinary Bladder

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

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

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

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

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Ovary

OBSERVATIONS

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Salivary Glands

Inflammation

Subacute, Focal, Minimal

Uterus

Lumen

Dilatation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 69

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

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

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Skeletal Muscle

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Kidney

Inflammation

Subacute, Minimal

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Salivary Glands

Inflammation

Subacute, Focal, Minimal

Spleen

Pigmentation

Hemosiderin, Mild

Note: [PIGMENT] TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 70

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Liver

Developmental Malformation

Minimal

Hematopoietic Cell Proliferation

Focal, Minimal

Note: [DEVELOP MALFOR] TGLs = 2-2.1

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

Animal Note: HARDERIAN GLAND APPEARS MICROSCOPICALLY NORMAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Liver

Note: HEPATOCELLAR GLYCOGEN IS INCREASED.

Uterus

Endometrium

Edema

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 72

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Parathyroid Gland

Pituitary Gland

OBSERVATIONS

Intest Large

Note: NO FOCUS OR CYST WAS SEEN MICROSCOPICALLY.

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 73

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Intest Large

Note: GROSS FOCUS WAS A LYMPHOID AGGREGATE.

Lung

Hemorrhage

Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 74

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Gallbladder
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	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Kidney	Inflammation	Subacute, Minimal
Liver	Hematopoietic Cell Proliferation	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:31
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 75	TRT#: 2	SEX: Female	DAY ON TEST: 93
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Gallbladder	Parathyroid Gland
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OBSERVATIONS

Kidney	Inflammation	Subacute, Minimal
Liver	Hematopoietic Cell Proliferation	Focal, Minimal

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 77

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890232

OBSERVATIONS

Lung

Congestion

Minimal

[Congestion TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 80

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: NO FOCUS SEEN MICROSCOPICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Ovary

Pigmentation

Melanin, Minimal

[Pigmentation TGLS = 1-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 3.75 PPM

DISP: Terminal Sacrifice

HISTO: 890240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: NO FOCI SEEN MICROSCOPICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 88

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 91

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: FOCI ARE FOLDS OF THE CECAL MUCOSA.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Stomach - Forestomach

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

Stomach

Note: STOMACH IS CONTRACTED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:31

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 7.5 PPM

DISP: Terminal Sacrifice

HISTO: 890220

OBSERVATIONS

Liver

Developmental Malformation

Minimal

[Developmental Malformation TGLS = 1-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart

OBSERVATIONS

Heart

Note: EPICARDIAL FAT.

Note: NODULE NOT SEEN MICROSCOPICALLY; IT WAS PROBABLY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 15 PPM

DISP: Terminal Sacrifice

HISTO: 890200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Uterus

OBSERVATIONS

Uterus

Note: UTERUS IS MICROSCOPICALLY NORMAL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 106

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Uterus

Kidney

Liver

Salivary Glands

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Liver

Note: HEPATOCYTES HAVE INCREASED GLYCOGEN.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 107

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Liver

Salivary Glands

Uterus

OBSERVATIONS

Liver

Note: HEPATOCYTES HAVE INCREASED GLYCOGEN.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 108

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Salivary Glands

Stomach - Forestomach

Uterus

OBSERVATIONS

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Stomach

Note: FORESTOMACH IS MARKEDLY CONTRACTED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 109

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Uterus

Kidney

Liver

Salivary Glands

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 110	TRT#: 10	SEX: Female	DAY ON TEST: 92
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 890175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum	Kidney	Liver	Salivary Glands
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OBSERVATIONS

Intest Large
Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Liver
Note: HEPATOCYTES HAVE INCREASED GLYCOGEN.

Uterus Lumen Dilatation Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 111	TRT#: 10	SEX: Female	DAY ON TEST: 93
	DOSE: 30 PPM	DISP: Terminal Sacrifice	HISTO: 890176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum	Kidney	Liver	Salivary Glands
Uterus			

OBSERVATIONS

Intest Large
Note: CECUM FOCI ARE LYMPHOID AGGREGATES.
Liver
Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 112

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Kidney

Salivary Glands

Uterus

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Salivary Glands

Uterus

OBSERVATIONS

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum

Kidney

Liver

Salivary Glands

OBSERVATIONS

Intest Large

Note: CECUM FOCI ARE LYMPHOID AGGREGATES.

Uterus

Endometrium

Edema

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 115

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 30 PPM

DISP: Terminal Sacrifice

HISTO: 890180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Large - Cecum
Uterus

Kidney

Liver

Salivary Glands

OBSERVATIONS

Intest Large

Note: CECUM FOCUS IS A LYMPHOID AGGREGATE.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

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

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Pituitary Gland

OBSERVATIONS

Intest Large

Note: GROSS FOCUS IS A LYMPHOID AGGREGATE.

Kidney

Inflammation

Subacute, Focal, Minimal

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Urin Bladder

Note: LYMPHOID AGGREGATE IS IN SUBMUCOSA.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Pituitary Gland

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Intest Large

Note: GROSS FOCUS IS A LYMPHOID AGGREGATE.

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Salivary Glands

Inflammation

Subacute, Focal, Minimal

Urin Bladder

Note: LYMPHOID AGGREGATE IS IN SUBMUCOSA.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Clitoral Gland	Parathyroid Gland
----------------	-------------------

OBSERVATIONS

Intest Large			
Note: GROSS FOCUS IS A LYMPHOID AGGREGATE.			
Liver			
Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.			
Lung		Hemorrhage	Focal, Minimal
Salivary Glands		Inflammation	Subacute, Focal, Minimal
Uterus	Endometrium	Edema	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

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

Pituitary Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Intest Large

Note: GROSS FOCUS IS A LYMPHOID AGGREGATE.

Kidney

Inflammation

Subacute, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 92

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

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

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Intest Large

Note: GROSS FOCI ARE LYMPHOID AGGREGATES.

Kidney

Inflammation

Subacute, Focal, Minimal

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Uterus

Endometrium

Edema

Mild

[Edema TGLS = 1-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 121	TRT#: 12	SEX: Female	DAY ON TEST: 93
	DOSE: 60 PPM	DISP: Terminal Sacrifice	HISTO: 890156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Intest Large
Note: NO LESION SEEN MICROSCOPICALLY.

Liver		Hematopoietic Cell Proliferation	Focal, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Clitoral Gland

Gallbladder

Parathyroid Gland

OBSERVATIONS

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

Lymph Node

Lymphocyte, Mesenteric

Depletion Cellular

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04
Test Type: 90-DAY
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Sodium selenate
CAS Number: 13410-01-0

Date Report Requested: 10/20/2014
Time Report Requested: 05:59:32
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 123

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

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

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Intest Large

Note: GROSS FOCUS IS A LYMPHOID AGGREGATE.

Uterus

Endometrium

Edema

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 124

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

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

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Intest Large

Note: NO GROSS LESION OBSERVED MICROSCOPICALLY.

Liver

Note: HEPATOCELLULAR GLYCOGEN IS INCREASED.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05195-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium selenate

CAS Number: 13410-01-0

Date Report Requested: 10/20/2014

Time Report Requested: 05:59:32

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 60 PPM

DISP: Terminal Sacrifice

HISTO: 890160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Liver

Hematopoietic Cell Proliferation

Focal, Minimal

Lung

Hemorrhage

Focal, Mild

[Hemorrhage TGLS = 1-1]

Salivary Glands

Inflammation

Subacute, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **