

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:01  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C20114B
<b>Lock Date:</b>	05/15/2003
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Male
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:01  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 121	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 0 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202381

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Lymph Node	Mammary Gland	Spinal Cord
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**OBSERVATIONS**

Kidney	Renal Tubule	Casts Protein	Minimal
* Liver		Inflammation	Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE MISSING.			
Pancreas		Necrosis	Focal, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-04

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/21/2014

Time Report Requested: 13:18:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 122

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 0202382

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node	Mammary Gland	Spinal Cord
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**OBSERVATIONS**

Kidney	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Inflammation	Minimal
		Tension Lipidosis	

Lymph Node  
Note: PANCREATIC LYMPH NODE MISSING.

Parathyroid Gland  
Note: ONE OF PAIR MISSING.

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 123

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202383

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node	Mammary Gland	Parathyroid Gland	Spinal Cord
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**OBSERVATIONS**

Kidney	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Inflammation	Minimal
Lymph Node			

Note: PANCREATIC LYMPH NODE MISSING.

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-04

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/21/2014

Time Report Requested: 13:18:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 124

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 0202384

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node	Mammary Gland	Spinal Cord
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**OBSERVATIONS**

Kidney	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Tension Lipidosis	

Lymph Node  
Note: PANCREATIC LYMPH NODE MISSING.

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 125

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202385

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node	Mammary Gland	Spinal Cord
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**OBSERVATIONS**

Kidney	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Inflammation	Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE MISSING.			
Parathyroid Gland			
Note: ONE OF PAIR MISSING.			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 221	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 62.5 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202386

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lymph Node, Mesenteric	* Stomach, Forestomach	* Stomach, Glandular
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**OBSERVATIONS**

Intestine Small, Duodenum	Epithelium	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Kidney		Hydronephrosis	Marked
	Renal Tubule	Regeneration	Minimal
	Renal Tubule	Vacuolization Cytoplasmic	Minimal
[ Hydronephrosis TGLS = 1-4 ]			
* Liver		Depletion Glycogen	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
Pancreas		Depletion Secretory	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 222

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 62.5 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202387

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lymph Node, Mesenteric

Pancreas

\* Stomach, Forestomach

\* Stomach, Glandular

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**OBSERVATIONS**

Intestine Small, Duodenum

Epithelium

Hyperplasia

Minimal

Kidney

Renal Tubule

Vacuolization Cytoplasmic

Minimal

\* Liver

Depletion Glycogen

Moderate

Inflammation

Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 223

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 62.5 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202388

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lymph Node, Mesenteric

\* Stomach, Forestomach

\* Stomach, Glandular

**OBSERVATIONS**

Intestine Small, Duodenum

Epithelium

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

Kidney

Renal Tubule

Vacuolization Cytoplasmic

Minimal

\* Liver

Depletion Glycogen

Minimal

Inflammation

Minimal

Pancreas

Depletion Secretory

Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 224

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 62.5 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202389

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lymph Node, Mesenteric

Pancreas

\* Stomach, Forestomach

\* Stomach, Glandular

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**OBSERVATIONS**

Intestine Small, Duodenum

Epithelium

Hyperplasia

Minimal

Kidney

Renal Tubule

Vacuolization Cytoplasmic

Minimal

\* Liver

Depletion Glycogen

Minimal

Inflammation

Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 225	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 62.5 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202390

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lymph Node, Mesenteric	* Stomach, Forestomach	* Stomach, Glandular
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**OBSERVATIONS**

Intestine Small, Duodenum	Epithelium	Hyperplasia	Minimal
Kidney	Renal Tubule	Vacuolization Cytoplasmic	Mild
* Liver		Inflammation	Minimal
Pancreas		Depletion Secretory	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 321	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 125 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202391

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Kidney	Lymph Node, Mesenteric	* Stomach, Forestomach	* Stomach, Glandular
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**OBSERVATIONS**

Intestine Small, Duodenum	Epithelium	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Liver		Depletion Glycogen	Mild
		Inflammation	Mild
Pancreas		Depletion Secretory	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 322	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 125 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202392

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lymph Node, Mesenteric	Pancreas	* Stomach, Forestomach	* Stomach, Glandular
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**OBSERVATIONS**

Intestine Small, Duodenum	Epithelium	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Kidney	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Depletion Glycogen	Mild
		Inflammation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 323	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 125 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202393

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Kidney	Lymph Node, Mesenteric	* Stomach, Forestomach	* Stomach, Glandular
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**OBSERVATIONS**

Intestine Small, Duodenum	Epithelium	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Liver		Depletion Glycogen	Minimal
		Inflammation	Minimal
Pancreas		Depletion Secretory	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 324

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 125 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202394

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lymph Node, Mesenteric

\* Stomach, Forestomach

\* Stomach, Glandular

**OBSERVATIONS**

Intestine Small, Duodenum

Epithelium

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Moderate

Kidney

Cyst

Moderate

[ Cyst TGLS = 2-4 ]

\* Liver

Depletion Glycogen

Mild

Hematopoietic Cell Proliferation

Minimal

Inflammation

Minimal

Pancreas

Depletion Secretory

Minimal

Seminal Vesicle

Dilatation

Mild

[ Dilatation TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 325	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 125 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202395

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Lymph Node, Mesenteric	* Stomach, Forestomach	* Stomach, Glandular
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**OBSERVATIONS**

Intestine Small, Duodenum	Epithelium	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Kidney	Renal Tubule	Vacuolization Cytoplasmic	Minimal
* Liver		Depletion Glycogen	Minimal
		Infiltration Cellular	Mononuclear CI, Mild
		Inflammation	Minimal
Pancreas		Depletion Secretory	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 421	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 250 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202396

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Lymph Node	Mammary Gland	Parathyroid Gland	Spinal Cord
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**OBSERVATIONS**

Intestine Small, Duodenum	Epithelium	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Liver		Depletion Glycogen	Marked
		Inflammation	Minimal
Lym Node Mand			
Note: PANCREATIC LYMPH NODE MISSING.			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Depletion Secretory	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-04

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Mouse/AM3

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/21/2014

Time Report Requested: 13:18:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 422

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 0202397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node	Mammary Gland	Spinal Cord
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OBSERVATIONS

Intestine Small, Duodenum	Epithelium	Hyperplasia	Mild
* Liver		Depletion Glycogen	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE MISSING.			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Pancreas		Depletion Secretory	Moderate
Parathyroid GI			
Note: ONE OF PAIR MISSING.			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 423	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 250 MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0202398

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Lymph Node, Mandibular	Nose	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Spleen	* Stomach, Forestomach	* Stomach, Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Lymph Node	Mammary Gland	Parathyroid Gland	Spinal Cord
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**OBSERVATIONS**

Epididymis [ Inflammation TGLS = 1-7 ]		Inflammation	Chronic, Mild
Intestine Small, Duodenum	Epithelium	Hyperplasia Infiltration Cellular	Mild Histiocyte, Mild
* Liver		Depletion Glycogen Inflammation	Marked Minimal
Lymph Node Note: PANCREATIC LYMPH NODE MISSING.			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Pancreas		Depletion Secretory	Mild
Testes	Germinal Epith	Degeneration	Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-04

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/21/2014

Time Report Requested: 13:18:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 424

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 250 MG/L

DISP: Terminal Sacrifice

HISTO: 0202399

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node	Mammary Gland	Parathyroid Gland	Spinal Cord
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**OBSERVATIONS**

Intestine Small, Duodenum	Epithelium	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Liver		Depletion Glycogen	Marked
		Inflammation	Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE MISSING.			
Pancreas		Depletion Secretory	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-04  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/AM3

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 13:18:02  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 425

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202400

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone Marrow	Epididymis
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Ileum
Intestine Small, Jejunum	Kidney	Lung	Lymph Node, Mandibular
Nose	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Spleen
* Stomach, Forestomach	* Stomach, Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Lymph Node	Mammary Gland	Spinal Cord
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**OBSERVATIONS**

Bone	Maxilla	Meningioma Malignant	Metastatic (Brain)
Brain		Meningioma Malignant	
[ Meningioma Malignant TGLS = 1-2 ]			
Eye	Optic Nerve	Meningioma Malignant	Metastatic (Brain)
Intestine Small, Duodenum	Epithelium	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Liver		Depletion Glycogen	Marked
		Inflammation	Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE MISSING.			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Depletion Secretory	Minimal
Parathyroid Gland			
Note: ONE OF PAIR MISSING.			
Pituitary Gland		Meningioma Malignant	Metastatic (Brain)

PRIMARY CAUSE OF DEATH

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

\* PROTOCOL REQUIRED TISSUE