

Experiment Number: 20114 - 03
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: MICE/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 04/06/2012
Time Report Requested: 09:03:05
First Dose M/F: 08/22/02 / NA
Lab: BAT

F1_MW

NTP Study Number: C20114B
Lock Date: 05/15/2003
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Male
TDMSE Version: 2.6.0.0_007
PWG Approval Date: NONE

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First Dose M/F: 08/22/02 / NA

Lab: BAT

BALB/C MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
0 MG/L	ANIMAL ID	2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change, Diffuse	2	1	2	2	2	3	2	2	2	2	10 2.0
Inflammation	1	1				1					3 1.0
Mineralization						1					1 1.0
Necrosis, Focal			1	1		1					3 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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First Dose M/F: 08/22/02 / NA

Lab: BAT

BALB/C MICE MALE 0 MG/L	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
		* TOTALS									
Stomach, Glandular		+	+	+	+	+	+	+	+	+	10
CARDIOVASCULAR SYSTEM											
Heart		+	+	+	+	+	+	+	+	+	10
ENDOCRINE SYSTEM											
Adrenal Cortex		+	+	+	+	+	+	+	+	+	10
Adrenal Medulla		+	+	+	+	+	+	+	+	+	10
Parathyroid Gland		+	+	+	+	+	+	+	+	+	10
Pituitary Gland		+	+	+	+	+	+	+	+	+	10
Thyroid Gland		+	+	+	+	+	+	+	+	+	10
GENERAL BODY SYSTEM											
NONE											
GENITAL SYSTEM											
Epididymis		+	+	+	+	+	+	+	+	+	10
Preputial Gland		+	+	+	+	+	+	+	+	+	10
Prostate		+	+	+	+	+	+	+	+	+	10
Seminal Vesicle		+	+	+	+	+	+	+	+	+	10

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Lab: BAT

BALB/C MICE MALE 0 MG/L	DAY ON TEST										* TOTALS
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	
	ANIMAL ID										
	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 1 0 8	0 0 1 0 9	0 0 1 0 0	
Testes	+	+	+	+	+	+	+	+	+	+	10
Germinal Epithelium, Degeneration			1	1	1			1		1	5 1.0
HEMATOPOIETIC SYSTEM											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node	+	M	M	M	M	M	M	M	+	M	2
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM											
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0
MUSCULOSKELETAL SYSTEM											
Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM											
Brain	+	+	+	+	+	+	+	+	+	+	10

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First Dose M/F: 08/22/02 / NA

Lab: BAT

BALB/C MICE MALE 0 MG/L	DAY ON TEST										ANIMAL ID				
	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2	0 0 9 2					
	0	0	0	0	0	0	0	0	0	0	0				
	0	0	0	0	0	0	0	0	0	0	0				
	1	1	1	1	1	1	1	1	1	1	1				
	0	0	0	0	0	0	0	0	0	1	1				
	1	2	3	4	5	6	7	8	9	0					
															* TOTALS
Spinal Cord	M	M	M	M	M	M	M	M	M	M					0
RESPIRATORY SYSTEM															
Lung	+	+	+	+	+	+	+	+	+	+					10
Nose	+	+	+	+	+	+	+	+	+	+					10
Trachea	+	+	+	+	+	+	+	+	+	+					10
SPECIAL SENSES SYSTEM															
Eye	+	+	+	+	+	+	+	+	+	+					10
Harderian Gland	+	+	+	+	+	+	+	+	+	+					10
URINARY SYSTEM															
Kidney	+	+	+	+	+	+	+	+	+	+					10
Renal Tubule, Casts Protein	1						1								2 1.0
Renal Tubule, Regeneration		1		1					1						3 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+					10

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Lab: BAT

BALB/C MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
62.5 MG/L		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Histiocyte		1						1	1	1		4	1.0
Epithelium, Hyperplasia	1			1								2	1.0
Liver	+	+	+	+	+	+	+	+	+	+	10		
Fatty Change, Diffuse	2	2	1	1	2	2	1	2	2	1		10	1.6
Inflammation		1	1		1	1			1			5	1.0
Necrosis, Focal			1						1			2	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10		
Depletion Secretory			1	1	1	1			1	1		6	1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Lymphocyte					2							1	2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
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Lab: BAT

BALB/C MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	
		1	2	3	4	5	6	7	8	9	
											* TOTALS

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Lymph Node	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

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+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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1-4 .. Lesion qualified as:
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First Dose M/F: 08/22/02 / NA

Lab: BAT

BALB/C MICE MALE 62.5 MG/L	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0	
Kidney		+	+	+	+	+	+	+	+	+	+	10
Medulla, Renal Tubule, Mineralization				1								1 1.0
Renal Tubule, Casts Protein											1	1 1.0
Renal Tubule, Dilatation, Focal					1							1 1.0
Renal Tubule, Regeneration				1	1		1	1		1	1	6 1.0

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

+ .. Tissue examined microscopically

X .. Lesion present

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First Dose M/F: 08/22/02 / NA

Lab: BAT

BALB/C MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
125 MG/L	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Histiocyte		1	2	2	2	2	2	1	3	1		9	1.8
Epithelium, Hyperplasia	1	1	1	1	1	1	1	1	1	2		10	1.1
Liver	+	+	+	+	+	+	+	+	+	+	10		
Fatty Change, Diffuse		2	2	2	2	1	2	2	1	2		10	1.8
Inflammation					1					1		2	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10		
Depletion Secretory		1	2	1	1	1	1			2		9	1.3
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Lymphocyte			1									1	1.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
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Time Report Requested: 09:03:05

First Dose M/F: 08/22/02 / NA

Lab: BAT

BALB/C MICE MALE 125 MG/L	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	2	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0	
		* TOTALS										

NONE

HEMATOPOIETIC SYSTEM

Lymph Node	+	M	M	M	M	M	M	M	M	M	1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

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First Dose M/F: 08/22/02 / NA

Lab: BAT

BALB/C MICE MALE 125 MG/L	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	
										0	
										* TOTALS	
Renal Tubule, Regeneration		1				1		1		1	4 1.0

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+ .. Tissue examined microscopically

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Lab: BAT

BALB/C MICE MALE	250 MG/L	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			1	2	3	4	5	6	7	8	9	0										
																						* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Gallbladder	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Histiocyte	2	2	1	2	1	1	1	3	2	2		10 1.7
Epithelium, Hyperplasia	2	1	1	2	2	1	1	2	1	1		10 1.4
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Fatty Change, Diffuse	2	2	1	1	2	2	1	1	1	1		10 1.4
Hematopoietic Cell Proliferation							1					1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Depletion Secretory	1	2	2	2	2	1	1	1	2	1		10 1.5
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	

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

Experiment Number: 20114 - 03
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 04/06/2012
 Time Report Requested: 09:03:05
 First Dose M/F: 08/22/02 / NA
 Lab: BAT

BALB/C MICE MALE 250 MG/L	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
		0	0	0	0	0	0	0	0	0	0			
		9	9	9	9	9	9	9	9	9	9			
		2	2	2	2	2	2	2	2	2	2			
		0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0			
		4	4	4	4	4	4	4	4	4	4			
		0	0	0	0	0	0	0	0	0	1			
		1	2	3	4	5	6	7	8	9	0			
												* TOTALS		
Stomach, Glandular Inflammation Mineralization		+	+	+	+	+	+	+	+	+	+		10	
														1 1.0
				1										1 1.0
CARDIOVASCULAR SYSTEM														
Heart		+	+	+	+	+	+	+	+	+	+		10	
ENDOCRINE SYSTEM														
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+		10	
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+		10	
Parathyroid Gland		+	+	+	+	+	+	+	+	+	M		9	
Pituitary Gland		+	+	+	+	+	+	+	+	+	+		10	
Thyroid Gland		+	+	+	+	+	+	+	+	+	+		10	
GENERAL BODY SYSTEM														
NONE														
GENITAL SYSTEM														
Epididymis		+	+	+	+	+	+	+	+	+	+		10	
Preputial Gland Abscess		+	+	+	+	+	+	+	+	+	+		10	1 4.0
										4				

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BALB/C MICE MALE 250 MG/L	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
		* TOTALS									
Prostate		+	+	+	+	+	+	+	+	+	10
Seminal Vesicle		+	+	+	+	+	+	+	+	+	10
Testes		+	+	+	+	+	+	+	+	+	10
Germinal Epithelium, Degeneration		1	1	1	1	1	1			1	8 1.0
HEMATOPOIETIC SYSTEM											
Bone Marrow		+	+	+	+	+	+	+	+	+	10
Lymph Node		M	M	M	M	M	M	M	M	+	1
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM											
Mammary Gland		M	M	M	M	M	M	M	M	M	0
MUSCULOSKELETAL SYSTEM											
Bone		+	+	+	+	+	+	+	+	+	10
Skeletal Muscle		+	+	+	+	+	+	+	+	+	10

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		0	0	0	0	0	0	0	0	0	
250 MG/L		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord	M	M	M	M	M	M	M	M	M	M	0

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Olfactory Epithelium, Atrophy, Focal							1				1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mixed Cell	1										1 1.0
Renal Tubule, Regeneration	1			1				1			3 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

*** END OF REPORT ***

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