

Experiment Number: 93027-47
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: HAMSTERS/SYRIAN

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
CAS Number: 94-75-7

Date Report Requested: 10/17/2014
Time Report Requested: 16:47:07
First Dose M/F: NA / NA
Lab: BAT

C Number: C93027C
Lock Date: 06/12/1996
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male
PWG Approval Date: NONE

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SYRIAN HAMSTERS Male 0 PPM	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	6	6	6	6	6	6	6	6	6	6	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mixed Cell	2	2		2	2	2	2		3	1	8 2.0
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
Infiltration Cellular, Mixed Cell	2	2	2	2	2	2	2	2	2	1	10 1.9
Vacuolization Cytoplasmic, Focal	1										1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1	2		2	3		1	1		3	7 1.9
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1	1			1		1			1	5 1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy							1				1 1.0

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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 First Dose M/F: NA / NA
 Lab: BAT

		DAY ON TEST										
SYRIAN HAMSTERS Male		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	
	0 PPM	2	2	2	2	2	2	2	2	2	2	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2		
	6	6	6	6	6	6	6	6	6	6		
	0	0	0	0	0	0	0	0	0	1		
	1	2	3	4	5	6	7	8	9	0	*TOTALS	

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	I	M	M	M	+	M	+	+	+	5
Pituitary Gland	+	M	M	M	+	M	+	+	+	+	6
Thyroid Gland	+	+	+	M	M	+	+	+	+	+	8

General Body System

NONE

Genital System

Epididymis	+	+	+		+		+	+	+		7
Preputial Gland	M	+	M	+	+	+	+	M	M	M	5
Prostate	+	+	+	+	+	+	+	+	+	+	10
Atrophy				2		3				2	3 2.3
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Atrophy				3		3				3	3 3.0
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy				3		3				3	3 3.0

Hematopoietic System

Lymph Node, Mandibular	+	M	+	+	+	+	+	+	+	+	9
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10

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SYRIAN HAMSTERS Male 0 PPM	DAY ON TEST										ANIMAL ID			
	0	0	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	2	2	6	6		
	0	0	0	0	0	0	0	0	0	0	0	0		
	1	2	3	4	5	6	7	8	9	0				
														*TOTALS
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+				10
Spleen	+	+	+	+	+	+	+	+	+	+				10
Thymus	+	+	+	+	+	+	+	+	+	+				10
Integumentary System														
Mammary Gland	M	M	M	M	M	M	M	M	M	M				0
Skin	+	+	+	+	+	+	+	+	+	+				10
Musculoskeletal System														
Bone	+	+	+	+	+	+	+	+	+	+				10
Nervous System														
Brain	+	+	+	+	+	+	+	+	+	+				10
Respiratory System														
Lung	+	+	+	+	+	+	+	+	+	+				10
Hemorrhage	2							2					2	2.0
Inflammation, Chronic			1										1	1.0
Nose	+	+	+	+	+	+	+	+	+	+				10
Trachea	+	+	+	+	+	+	+	+	+	+				10
Special Senses System														
NONE														
Urinary System														

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SYRIAN HAMSTERS Male 12 PPM	DAY ON TEST										ANIMAL ID		
	0	0	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	9	9	
	2	2	2	2	2	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	
	6	6	6	6	6	6	6	6	6	6	6	6	
	1	1	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0			*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Mixed Cell	1	1	2	1	1	1	1	2	1	1	10	1.2
Necrosis, Focal								2			1	2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic	1	1		2	1	1	2	1	2	2	9	1.4

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Preputial Gland	M	M	+	M	M	M	+	M	M	M	2	
Inflammation			1								1	1.0
Testes	+	+	+	+	+	+	+	+	+	+	10	
Atrophy			3						3		2	3.0

Hematopoietic System

NONE

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0
SYRIAN HAMSTERS Male		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
	12 PPM	2	2	2	2	2	2	2	2	2	2
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2
		6	6	6	6	6	6	6	6	6	6
		1	1	1	1	1	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0
*TOTALS											

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + 10

Mineralization 1 1 1 1 1 1 1 1 7 1.0

Nephropathy 1 1 1 1 1 1 6 1.0

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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	9
2	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	2	2	2	2	2
6	6	6	6	6	6	6	6	6	6	6
2	2	2	2	2	2	2	2	2	2	3
1	2	3	4	5	6	7	8	9	9	0
										*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Mixed Cell	2	2	2	2	1		1	2	2	1	9	1.7
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic	2	1	2	1	1		1	1	1	1	9	1.2

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Preputial Gland	M	+	M	+	M	M	M	M	M	M	2	
Testes		+	+	+	+	+	+	+	+	+	9	
Atrophy							4		3		2	3.5

Hematopoietic System

NONE

Integumentary System

NONE

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	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
SYRIAN HAMSTERS Male 100 PPM		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	
	2	2	2	2	2	2	2	2	2	2		
	6	6	6	6	6	6	6	6	6	6		
	2	2	2	2	2	2	2	2	2	3		
	1	2	3	4	5	6	7	8	9	0	*TOTALS	

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + 9

Mineralization 1 1 1 1 1 1 6 1.0

Nephropathy 1 1 1 1 1 5 1.0

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SYRIAN HAMSTERS Male 500 PPM	DAY ON TEST										ANIMAL ID	
	0	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	9	
	2	2	2	2	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	
	6	6	6	6	6	6	6	6	6	6	6	
	3	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Mixed Cell	2	1	1		1	1		1	2	1	8	1.3
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic	2	2	4		1	1			1	1	7	1.7

Cardiovascular System

NONE

Endocrine System

Pituitary Gland													+	1
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General Body System

NONE

Genital System

Preputial Gland	M	+	M	M	M	+	M	M	M	M	2	
Testes	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	3	3	3		3	1					5	2.6

Hematopoietic System

NONE

Integumentary System

NONE

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0
SYRIAN HAMSTERS Male		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
	500 PPM	2	2	2	2	2	2	2	2	2	2
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2
		6	6	6	6	6	6	6	6	6	6
		3	3	3	3	3	3	3	3	4	4
		1	2	3	4	5	6	7	8	9	0
*TOTALS											

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization		1	2		1	1	1	1		1	7 1.1
Nephropathy		1			1	1	1	1	1	1	7 1.0

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SYRIAN HAMSTERS Male 1000 PPM	DAY ON TEST										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		
	2	2	2	2	2	2	2	2	2	2		
	6	6	6	6	6	6	6	6	6	6		
	4	4	4	4	4	4	4	4	4	5		
	1	2	3	4	5	6	7	8	9	0		*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	9		
Infiltration Cellular, Mixed Cell	1		2	2	1	1	1	2	1	2	9	1.4
Pancreas	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic	1		1	1	1	1		1	2	7	1.1	

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Epididymis		+					+			2	
Atrophy		2					3			2	2.5
Preputial Gland	M	+	+	M	+	+	M	M	M	4	
Testes	+	+	+	+	+	+	+	+	+	10	
Atrophy		3		1			4			3	2.7

Hematopoietic System

NONE

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SYRIAN HAMSTERS Male 1000 PPM	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		
		2	2	2	2	2	2	2	2	2		
		6	6	6	6	6	6	6	6	6		
		4	4	4	4	4	4	4	4	5		
		1	2	3	4	5	6	7	8	9	0	
		*TOTALS										

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1	1	2		2	1	1	1	1		8 1.3
Nephropathy	1		2		1						3 1.3

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Experiment Number: 93027-47
 Test Type: 90-DAY
 Route: DOSED FEED
 Species/Strain: HAMSTERS/SYRIAN

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Peroxisome project (2,4-Dichlorophenoxyacetic acid)
 CAS Number: 94-75-7

Date Report Requested: 10/17/2014
 Time Report Requested: 16:47:08
 First Dose M/F: NA / NA
 Lab: BAT

SYRIAN HAMSTERS Male 5000 PPM	DAY ON TEST										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		
	2	2	2	2	2	2	2	2	2	2		
	6	6	6	6	6	6	6	6	6	6		
	5	5	5	5	5	5	5	5	5	6		
	1	2	3	4	5	6	7	8	9	0		*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Gallbladder	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Mixed Cell	1	2		1	1	3	2	3		3	8	2.0
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	
Infiltration Cellular, Mixed Cell	2	2	1	2	2	2	2	2	1	2	10	1.8
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic	2	1		1	1	3	3	2	1	1	9	1.7
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Mineralization		1	1	1	1		1	1		1	7	1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10	
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Endocrine System

* ..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

A ..Autolysis precludes evaluation

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	M	+	+	M	+	M	+	+	7
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
General Body System											
NONE											
Genital System											
Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	M	M	M	+	M	M	+	M	M	3
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy	1										1 1.0
Hematopoietic System											
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	M	+	+	9
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0
SYRIAN HAMSTERS Male		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
	5000 PPM	2	2	2	2	2	2	2	2	2	2
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2
		6	6	6	6	6	6	6	6	6	6
		5	5	5	5	5	5	5	5	6	6
		1	2	3	4	5	6	7	8	9	0
*TOTALS											

Integumentary System

Mammary Gland	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	10

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	10
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Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	10
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Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage							2				1 2.0
Inflammation, Chronic					1						1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1	1	1	2		1		1	1	1	8 1.1
Nephropathy		1	2	3	1	1		1	2	1	8 1.5

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ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	6	6	6	6	6	6	6	6	6	6	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
Urinary Bladder	+	+	M	+	+	+	+	+	+	+	9
Mineralization				2	4	2	4			3	5 3.0

END OF MALE DATA

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