

Experiment Number: 20614 - 02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Perfluorooctanoic Acid
CAS Number: 335-67-1

Date Report Requested: 07/24/2018
Time Report Requested: 13:12:17
First Dose M/F: 07/27/09 / NA
Lab: BAT

Final 1_16-Week SSAC Only

NTP Study Number: C20614B
Lock Date: 01/10/2012
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Male
TDMSE Version: 3.0.2.3_002
PWG Approval Date: 07/24/2018

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Date Report Requested: 07/24/2018

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Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 0/0 ppm	DAY ON TEST	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	0	
		8	8	8	8	8	8	8	8	8	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	

*** TOTALS**

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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BLANK .. Not examined microscopically

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Lab: BAT

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

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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HARLAN SPRAGUE DAWLEY RATS MALE 300/0 ppm	DAY ON TEST	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	0	
		8	8	8	8	8	8	8	8	8	
	ANIMAL ID	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	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	
											* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

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HARLAN SPRAGUE DAWLEY RATS MALE 300/0 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	* TOTALS
		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	
	ANIMAL ID	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	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	
		0	0	0	0	0	0	0	0	0	

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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HARLAN SPRAGUE DAWLEY RATS MALE 0/20 ppm	DAY ON TEST	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	0	
		8	8	8	8	8	8	8	8	8	
	ANIMAL ID	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		
		7	7	7	7	7	7	7	8		
		1	2	3	4	5	6	7	8	9	
* TOTALS											

ALIMENTARY SYSTEM

Liver + + + + + + + + + +

10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

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

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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HARLAN SPRAGUE DAWLEY RATS MALE 300/20 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	<hr/>
		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	
	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	
		3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	

*** TOTALS**

ALIMENTARY SYSTEM

Liver + + + + + + + + + +

10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

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		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	
	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	
		3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	
		0	0	0	0	0	0	0	0	0	

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 0/40 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	
		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	3	
		9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	
* TOTALS											

ALIMENTARY SYSTEM

Liver + + + + + + + + + +

10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

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Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 0/40 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	* TOTALS
		1	1	1	1	1	1	1	1	1	
		8	8	8	8	8	8	8	8	8	
	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	3	
		9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	10
----------------	---	---	---	---	---	---	---	---	---	---	-----------

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HARLAN SPRAGUE DAWLEY RATS MALE 300/40 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	
		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	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	
											* TOTALS

ALIMENTARY SYSTEM

Liver + + + + + + + + + +

10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

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HARLAN SPRAGUE DAWLEY RATS MALE 300/40 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	* TOTALS
		1	1	1	1	1	1	1	1	1	
		8	8	8	8	8	8	8	8	8	
	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	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 0/80 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	* TOTALS
		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	
	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	
		1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	
		0	0	0	0	0	0	0	0	0	

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

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HARLAN SPRAGUE DAWLEY RATS MALE 0/80 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	* TOTALS
		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	
	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	
		1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	
		0	0	0	0	0	0	0	0	0	

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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HARLAN SPRAGUE DAWLEY RATS MALE 300/80 ppm	DAY ON TEST	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	0	
		8	8	8	8	8	8	8	8	8	
	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	
		7	7	7	7	7	7	7	7	8	
		1	2	3	4	5	6	7	8	9	

*** TOTALS**

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

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Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 300/80 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	* TOTALS
		1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	
	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	
		7	7	7	7	7	7	7	7	8	
		1	2	3	4	5	6	7	8	9	
										0	

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

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*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically