

Experiment Number: 20614 - 01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
Perfluorooctanoic Acid
CAS Number: 335-67-1

Date Report Requested: 03/13/2022
Time Report Requested: 11:45:20
First Dose M/F: 10/27/08 / 10/28/08
Lab: BAT

Custom Rpt (Litter-Based) -- 0-0, 0-300, 0-1000

NTP Study Number:	C20614		
Lock Date:	01/10/2012		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC	25020 NATD	25019 MSAC
	25016 Aborted		
Removal Date Range:	ALL		
Treatment Groups:	Include 002 0/0 ppm	Include 004 0/300 ppm	Include 008 0/1000 ppm
Study Gender:	Both		
TDMSE Version:	2.5.0.0_SFH		
PWG Approval Date:	07/25/2018		

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex

Adrenal Medulla

Liver

Pancreas

Pituitary Gland

Thyroid Gland

Uterus

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF PERFLUOROOCCTANOIC ACID

FEMALE RATS

Organ

Pituitary Gland: Pars Distalis or Unspecified Site

Thyroid Gland: C-Cell

Uterus

All Organs

Morphology

Adenoma

Adenoma

Carcinoma

Benign Tumors

Malignant and Benign Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Adrenal Cortex			
Adenoma			
<hr/>			
TUMOR RATES			
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/49 (0%)
LITTERS (b)	2/32 (6%)	2/29 (7%)	0/31 (0%)
POLY-3 RATE (c)	2/37.06	2/41.88	0/36.88
POLY-3 PERCENT (g)	5.4%	4.8%	0%
TERMINAL (d)	1/23 (4%)	2/28 (7%)	0/23 (0%)
FIRST INCIDENCE	676	744 (T)	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.179N	P=0.650N	P=0.237N
POLY 1.5	P=0.181N	P=0.666N	P=0.242N
POLY 6	P=0.174N	P=0.634N	P=0.229N
RAO-SCOTT	P=0.206N	P=0.637N	P=0.261N
LITTER C-A/FISHERS	P=0.174N	P=0.655	P=0.254N

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Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Adrenal Medulla			
Pheochromocytoma Benign			
<hr/>			
TUMOR RATES			
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/49 (4%)
LITTERS (b)	1/32 (3%)	3/29 (10%)	2/31 (6%)
POLY-3 RATE (c)	1/36.81	3/41.90	2/37.06
POLY-3 PERCENT (g)	2.7%	7.2%	5.4%
TERMINAL (d)	1/23 (4%)	2/28 (7%)	1/23 (4%)
FIRST INCIDENCE	744 (T)	737	695
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.520	P=0.353	P=0.502
POLY 1.5	P=0.510	P=0.335	P=0.494
POLY 6	P=0.543	P=0.372	P=0.519
RAO-SCOTT	P=0.487	P=0.331	P=0.460
LITTER C-A/FISHERS	P=0.516	P=0.270	P=0.488

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
<hr/>			
Liver			
Hepatocellular Adenoma			
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TUMOR RATES			
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/49 (2%)
LITTERS (b)	2/32 (6%)	0/29 (0%)	1/31 (3%)
POLY-3 RATE (c)	2/36.81	0/41.88	1/36.88
POLY-3 PERCENT (g)	5.4%	0%	2.7%
TERMINAL (d)	2/23 (9%)	0/28 (0%)	1/23 (4%)
FIRST INCIDENCE	744 (T)	---	744 (T)
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.555N	P=0.209N	P=0.499N
POLY 1.5	P=0.549N	P=0.219N	P=0.507N
POLY 6	P=0.560N	P=0.199N	P=0.485N
RAO-SCOTT	P=0.543N	P=0.262N	P=0.506N
LITTER C-A/FISHERS	P=0.531N	P=0.271N	P=0.512N

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
<hr/>			
Liver			
Hepatocellular Carcinoma			
<hr/>			
TUMOR RATES			
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/49 (6%)
LITTERS (b)	1/32 (3%)	1/29 (3%)	3/31 (10%)
POLY-3 RATE (c)	1/36.81	1/41.88	3/36.98
POLY-3 PERCENT (g)	2.7%	2.4%	8.1%
TERMINAL (d)	1/23 (4%)	1/28 (4%)	2/23 (9%)
FIRST INCIDENCE	744 (T)	744 (T)	718
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.188	P=0.732N	P=0.306
POLY 1.5	P=0.186	P=0.742N	P=0.298
POLY 6	P=0.195	P=0.720N	P=0.321
RAO-SCOTT	P=0.211	P=0.709N	P=0.318
LITTER C-A/FISHERS	P=0.195	P=0.729	P=0.294

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
<hr/>			
Liver			
Hepatocellular Carcinoma or Hepatocellular Adenoma			
<hr/>			
TUMOR RATES			
OVERALL (a)	3/50 (6%)	1/50 (2%)	4/49 (8%)
LITTERS (b)	3/32 (9%)	1/29 (3%)	4/31 (13%)
POLY-3 RATE (c)	3/36.81	1/41.88	4/36.98
POLY-3 PERCENT (g)	8.2%	2.4%	10.8%
TERMINAL (d)	3/23 (13%)	1/28 (4%)	3/23 (13%)
FIRST INCIDENCE	744 (T)	744 (T)	718
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.314	P=0.260N	P=0.503
POLY 1.5	P=0.314	P=0.276N	P=0.490
POLY 6	P=0.321	P=0.243N	P=0.527
RAO-SCOTT	P=0.332	P=0.275N	P=0.491
LITTER C-A/FISHERS	P=0.332	P=0.345N	P=0.482

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Liver			
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma			
TUMOR RATES			
OVERALL (a)	3/50 (6%)	1/50 (2%)	4/49 (8%)
LITTERS (b)	3/32 (9%)	1/29 (3%)	4/31 (13%)
POLY-3 RATE (c)	3/36.81	1/41.88	4/36.98
POLY-3 PERCENT (g)	8.2%	2.4%	10.8%
TERMINAL (d)	3/23 (13%)	1/28 (4%)	3/23 (13%)
FIRST INCIDENCE	744 (T)	744 (T)	718
STATISTICAL TESTS			
POLY 3	P=0.314	P=0.260N	P=0.503
POLY 1.5	P=0.314	P=0.276N	P=0.490
POLY 6	P=0.321	P=0.243N	P=0.527
RAO-SCOTT	P=0.332	P=0.275N	P=0.491
LITTER C-A/FISHERS	P=0.332	P=0.345N	P=0.482

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Mammary Gland Carcinoma			
TUMOR RATES			
	#	#	#
OVERALL (a)	3/50 (6%)	4/50 (8%)	1/50 (2%)
LITTERS (b)	3/32 (9%)	4/29 (14%)	1/31 (3%)
POLY-3 RATE (c)	3/37.73	4/42.27	1/37.15
POLY-3 PERCENT (g)	8%	9.5%	2.7%
TERMINAL (d)	2/23 (9%)	1/28 (4%)	0/23 (0%)
FIRST INCIDENCE	323	695	669
STATISTICAL TESTS			
POLY 3	P=0.227N	P=0.562	P=0.310N
POLY 1.5	P=0.231N	P=0.538	P=0.316N
POLY 6	P=0.214N	P=0.591	P=0.294N
RAO-SCOTT	P=0.219N	P=0.541	P=0.287N
LITTER C-A/FISHERS	P=0.215N	P=0.443	P=0.319N

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Mammary Gland Carcinoma or Adenoma			
TUMOR RATES	#	#	#
OVERALL (a)	4/50 (8%)	5/50 (10%)	1/50 (2%)
LITTERS (b)	4/32 (13%)	5/29 (17%)	1/31 (3%)
POLY-3 RATE (c)	4/37.73	5/42.27	1/37.15
POLY-3 PERCENT (g)	10.6%	11.8%	2.7%
TERMINAL (d)	3/23 (13%)	2/28 (7%)	0/23 (0%)
FIRST INCIDENCE	323	695	669
STATISTICAL TESTS			
POLY 3	P=0.132N	P=0.571	P=0.181N
POLY 1.5	P=0.136N	P=0.544	P=0.187N
POLY 6	P=0.122N	P=0.605	P=0.167N
RAO-SCOTT	P=0.128N	P=0.550	P=0.169N
LITTER C-A/FISHERS	P=0.123N	P=0.435	P=0.187N

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Mammary Gland Fibroadenoma			
TUMOR RATES	#	#	#
OVERALL (a)	21/50 (42%)	19/50 (38%)	20/50 (40%)
LITTERS (b)	17/32 (53%)	14/29 (48%)	17/31 (55%)
POLY-3 RATE (c)	21/41.36	19/46.79	20/40.26
POLY-3 PERCENT (g)	50.8%	40.6%	49.7%
TERMINAL (d)	10/23 (44%)	8/28 (29%)	9/23 (39%)
FIRST INCIDENCE	312	470	484
STATISTICAL TESTS			
POLY 3	P=0.499	P=0.226N	P=0.550N
POLY 1.5	P=0.501	P=0.290N	P=0.568N
POLY 6	P=0.531	P=0.177N	P=0.497N
RAO-SCOTT	P=0.503	P=0.253N	P=0.543N
LITTER C-A/FISHERS	P=0.473	P=0.452N	P=0.546

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Mammary Gland Fibroma, Fibroadenoma or Adenoma			
TUMOR RATES	#	#	#
OVERALL (a)	22/50 (44%)	20/50 (40%)	20/50 (40%)
LITTERS (b)	17/32 (53%)	15/29 (52%)	17/31 (55%)
POLY-3 RATE (c)	22/41.36	20/46.79	20/40.26
POLY-3 PERCENT (g)	53.2%	42.7%	49.7%
TERMINAL (d)	11/23 (48%)	9/28 (32%)	9/23 (39%)
FIRST INCIDENCE	312	470	484
STATISTICAL TESTS			
POLY 3	P=0.528N	P=0.218N	P=0.461N
POLY 1.5	P=0.525N	P=0.284N	P=0.483N
POLY 6	P=0.497N	P=0.168N	P=0.405N
RAO-SCOTT	P=0.521N	P=0.247N	P=0.464N
LITTER C-A/FISHERS	P=0.499	P=0.558N	P=0.546

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Mammary Gland			
Fibroma, Fibroadenoma, Carcinoma, or Adenoma			
TUMOR RATES	#	#	#
OVERALL (a)	25/50 (50%)	23/50 (46%)	21/50 (42%)
LITTERS (b)	18/32 (56%)	18/29 (62%)	17/31 (55%)
POLY-3 RATE (c)	25/42.28	23/47.01	21/40.53
POLY-3 PERCENT (g)	59.1%	48.9%	51.8%
TERMINAL (d)	13/23 (57%)	10/28 (36%)	9/23 (39%)
FIRST INCIDENCE	312	470	484
STATISTICAL TESTS			
POLY 3	P=0.370N	P=0.221N	P=0.323N
POLY 1.5	P=0.369N	P=0.292N	P=0.344N
POLY 6	P=0.329N	P=0.162N	P=0.262N
RAO-SCOTT	P=0.379N	P=0.251N	P=0.341N
LITTER C-A/FISHERS	P=0.476N	P=0.421	P=0.556N

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Pancreas			
Carcinoma or Adenoma			
<hr/>			
TUMOR RATES			
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/49 (4%)
LITTERS (b)	0/32 (0%)	0/29 (0%)	2/31 (6%)
POLY-3 RATE (c)	0/36.81	0/41.88	2/36.96
POLY-3 PERCENT (g)	0%	0%	5.4%
TERMINAL (d)	0/23 (0%)	0/28 (0%)	1/23 (4%)
FIRST INCIDENCE	---	---	722
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.087	(e)	P=0.237
POLY 1.5	P=0.086	(e)	P=0.233
POLY 6	P=0.089	(e)	P=0.247
RAO-SCOTT	P=0.174	(e)	P=0.337
LITTER C-A/FISHERS	P=0.092	(e)	P=0.238

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma			
TUMOR RATES			
OVERALL (a)	22/50 (44%)	11/50 (22%)	8/49 (16%)
LITTERS (b)	17/32 (53%)	9/29 (31%)	7/31 (23%)
POLY-3 RATE (c)	22/39.54	11/42.88	8/37.34
POLY-3 PERCENT (g)	55.6%	25.7%	21.4%
TERMINAL (d)	11/23 (48%)	6/28 (21%)	5/23 (22%)
FIRST INCIDENCE	621	676	669
STATISTICAL TESTS			
POLY 3	P=0.004N**	P=0.004N**	P<0.001N**
POLY 1.5	P=0.004N**	P=0.006N**	P<0.001N**
POLY 6	P=0.004N**	P=0.003N**	P<0.001N**
RAO-SCOTT	P=0.006N**	P=0.006N**	P=0.003N**
LITTER C-A/FISHERS	P=0.016N*	P=0.069N	P=0.012N*

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Thyroid Gland: C-Cell Adenoma			
TUMOR RATES			
OVERALL (a)	9/50 (18%)	11/50 (22%)	3/48 (6%)
LITTERS (b)	9/32 (28%)	10/29 (34%)	3/31 (10%)
POLY-3 RATE (c)	9/37.78	11/42.99	3/36.69
POLY-3 PERCENT (g)	23.8%	25.6%	8.2%
TERMINAL (d)	6/23 (26%)	8/28 (29%)	1/23 (4%)
FIRST INCIDENCE	621	470	695
STATISTICAL TESTS			
POLY 3	P=0.040N*	P=0.530	P=0.061N
POLY 1.5	P=0.044N*	P=0.484	P=0.067N
POLY 6	P=0.034N*	P=0.574	P=0.052N
RAO-SCOTT	P=0.043N*	P=0.515	P=0.064N
LITTER C-A/FISHERS	P=0.035N*	P=0.398	P=0.060N

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Species/Strain: RATS/HSD

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 03/13/2022

Time Report Requested: 11:45:20

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Thyroid Gland: C-Cell Carcinoma or Adenoma			
TUMOR RATES			
OVERALL (a)	9/50 (18%)	11/50 (22%)	4/48 (8%)
LITTERS (b)	9/32 (28%)	10/29 (34%)	4/31 (13%)
POLY-3 RATE (c)	9/37.78	11/42.99	4/36.69
POLY-3 PERCENT (g)	23.8%	25.6%	10.9%
TERMINAL (d)	6/23 (26%)	8/28 (29%)	2/23 (9%)
FIRST INCIDENCE	621	470	695
STATISTICAL TESTS			
POLY 3	P=0.082N	P=0.530	P=0.120N
POLY 1.5	P=0.088N	P=0.484	P=0.129N
POLY 6	P=0.071N	P=0.574	P=0.104N
RAO-SCOTT	P=0.083N	P=0.514	P=0.117N
LITTER C-A/FISHERS	P=0.071N	P=0.398	P=0.118N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Uterus Carcinoma			
TUMOR RATES			
OVERALL (a)	0/50 (0%)	1/49 (2%)	4/49 (8%)
LITTERS (b)	0/32 (0%)	1/29 (3%)	4/31 (13%)
POLY-3 RATE (c)	0/36.81	1/40.88	4/37.30
POLY-3 PERCENT (g)	0%	2.5%	10.7%
TERMINAL (d)	0/23 (0%)	1/27 (4%)	1/23 (4%)
FIRST INCIDENCE	---	744 (T)	652
STATISTICAL TESTS			
POLY 3	P=0.024*	P=0.521	P=0.060
POLY 1.5	P=0.023*	P=0.512	P=0.058
POLY 6	P=0.026*	P=0.530	P=0.067
RAO-SCOTT	P=0.049*	P=0.548	P=0.102
LITTER C-A/FISHERS	P=0.026*	P=0.475	P=0.053

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
<hr/>			
Uterus			
Polyp Stromal			
<hr/>			
TUMOR RATES			
OVERALL (a)	6/50 (12%)	4/49 (8%)	5/49 (10%)
LITTERS (b)	5/32 (16%)	4/29 (14%)	5/31 (16%)
POLY-3 RATE (c)	6/37.44	4/41.06	5/37.09
POLY-3 PERCENT (g)	16%	9.7%	13.5%
TERMINAL (d)	4/23 (17%)	3/27 (11%)	3/23 (13%)
FIRST INCIDENCE	574	695	695
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.544N	P=0.310N	P=0.507N
POLY 1.5	P=0.544N	P=0.336N	P=0.518N
POLY 6	P=0.533N	P=0.286N	P=0.482N
RAO-SCOTT	P=0.527N	P=0.319N	P=0.494N
LITTER C-A/FISHERS	P=0.552	P=0.565N	P=0.613

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
Uterus			
Sarcoma Stromal or Polyp Stromal			
TUMOR RATES			
OVERALL (a)	6/50 (12%)	4/49 (8%)	6/49 (12%)
LITTERS (b)	5/32 (16%)	4/29 (14%)	5/31 (16%)
POLY-3 RATE (c)	6/37.44	4/41.06	6/37.36
POLY-3 PERCENT (g)	16%	9.7%	16.1%
TERMINAL (d)	4/23 (17%)	3/27 (11%)	3/23 (13%)
FIRST INCIDENCE	574	695	669
STATISTICAL TESTS			
POLY 3	P=0.497	P=0.310N	P=0.622
POLY 1.5	P=0.493	P=0.336N	P=0.607
POLY 6	P=0.516	P=0.286N	P=0.596N
RAO-SCOTT	P=0.503	P=0.334N	P=0.606
LITTER C-A/FISHERS	P=0.552	P=0.565N	P=0.613

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
All Organs			
Benign Tumors			
TUMOR RATES	#	#	#
OVERALL (a)	38/50 (76%)	35/50 (70%)	31/50 (62%)
LITTERS (b)	27/32 (84%)	24/29 (83%)	24/31 (77%)
POLY-3 RATE (c)	38/43.02	35/48.42	31/40.65
POLY-3 PERCENT (g)	88.3%	72.3%	76.3%
TERMINAL (d)	21/23 (91%)	19/28 (68%)	17/23 (74%)
FIRST INCIDENCE	312	250	484
STATISTICAL TESTS			
POLY 3	P=0.196N	P=0.038N*	P=0.100N
POLY 1.5	P=0.182N	P=0.094N	P=0.119N
POLY 6	P=0.175N	P=0.017N*	P=0.070N
RAO-SCOTT	P=0.217N	P=0.063N	P=0.136N
LITTER C-A/FISHERS	P=0.303N	P=0.568N	P=0.352N

Experiment Number: 20614 - 01
 Test Type: CHRONIC
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(HSD)
 TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
All Organs			
Malignant Tumors			
TUMOR RATES	#	#	#
OVERALL (a)	12/50 (24%)	10/50 (20%)	15/50 (30%)
LITTERS (b)	9/32 (28%)	10/29 (34%)	14/31 (45%)
POLY-3 RATE (c)	12/42.06	10/42.99	15/39.69
POLY-3 PERCENT (g)	28.5%	23.3%	37.8%
TERMINAL (d)	4/23 (17%)	5/28 (18%)	5/23 (22%)
FIRST INCIDENCE	274	589	379
STATISTICAL TESTS			
POLY 3	P=0.167	P=0.379N	P=0.254
POLY 1.5	P=0.171	P=0.391N	P=0.255
POLY 6	P=0.183	P=0.361N	P=0.280
RAO-SCOTT	P=0.173	P=0.379N	P=0.259
LITTER C-A/FISHERS	P=0.108	P=0.398	P=0.127

Experiment Number: 20614 - 01

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	0/300 ppm	0/1000 ppm
All Organs			
Malignant and Benign Tumors			
TUMOR RATES	#	#	#
OVERALL (a)	46/50 (92%)	38/50 (76%)	36/50 (72%)
LITTERS (b)	30/32 (94%)	24/29 (83%)	27/31 (87%)
POLY-3 RATE (c)	46/47.99	38/49.14	36/42.27
POLY-3 PERCENT (g)	95.9%	77.3%	85.2%
TERMINAL (d)	22/23 (96%)	20/28 (71%)	18/23 (78%)
FIRST INCIDENCE	274	250	379
STATISTICAL TESTS			
POLY 3	P=0.185N	P=0.005N**	P=0.063N
POLY 1.5	P=0.124N	P=0.009N**	P=0.039N*
POLY 6	P=0.210N	P=0.004N**	P=0.077N
RAO-SCOTT	P=0.235N	P=0.017N*	P=0.105N
LITTER C-A/FISHERS	P=0.380N	P=0.173N	P=0.321N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
- (b) Number of litters with tumor-bearing animals/number of litters examined at site
- (c) Number of tumor-bearing animals/Poly-3 number
- (d) Observed incidence at terminal kill.
- (e) Value of statistic cannot be computed.
- (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
- (g) Poly-3 adjusted lifetime tumor incidence.
- (I) Interim sacrifice
- (T) Terminal sacrifice
- # Tumor rates based on numbers of animals necropsied.
- * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
- ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
- N Indicates a negative trend for all tests
The Rao-Scott statistic performs the Poly-3 test with an adjustment for within-litter correlation.
The Litter C-A/Fishers statistic compares directly the litter incidence rates.

*** END OF REPORT ***