

NTP Historical Controls Report

By Route and Vehicle

RATS

March 2010

This report shows the tumor rates of control group animals from selected studies. The studies used are shown on the Study Summary page.

This report is broken up into sections based on the route and vehicle used to deliver the chemical. The Table of Contents on Page 3 shows the different Route/Vehicle combinations. To see the data from all routes and vehicles combined into one set, you must run the "All Routes" report.

The individual tumor rates shown on the data pages of the report relate to the Study Summary page as follows: the tumor rates are shown in the same order as the Study Summary page, except that they are grouped horizontally in sets of three, with the males in the first set of three and the females in the second set. For example if the study summary showed the studies like this:

Male M1 M2 M3 M4 M5 Female F1 F2 F3 F4 F5

the data would be shown as:

	Male	le Female						
M1	M2	M3	F1	F2	F3			
M4	M5		F4	F5				

Directly beneath the individual tumor rates on the data pages are the overall totals for that tumor/site combination. This includes the total tumors/animals, the overall mean (in parentheses), the mean of the study means, and the standard deviation of the study means.

Studies with no control animals of a particular gender are listed on the summary page with the Number of Animals shown as zero and the Start Date and Length of Study shown as "N/A". On the data pages there are blank spaces where tumor rates for these studies would normally be found, so that the male and female rates for the remaining studies can be easily compared.

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Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Columbus Laboratory	058810503	04/22/02	729	50(3)	35(702)	521.9	Isoeugenol
Battelle Columbus Laboratory	052000705	08/18/04	727	49(3)	34(692)	515.2	Kava kava extract
Battelle Columbus Laboratory	059902303	03/25/02	729	50(3)	29(683)	501.9	beta-Myrcene
Battelle Columbus Laboratory	059902005	04/09/03	727	50(3)	39(685)	514.9	Pulegone
					Female		
Battelle Columbus Laboratory	058810503	04/23/02	730	50(5)	33(699)	339.3	Isoeugenol
Battelle Columbus Laboratory	052000705	08/19/04	728	50(5)	34(683)	354.3	Kava kava extract
Battelle Columbus Laboratory	059902303	03/26/02	730	50(5)	31(668)	323.8	beta-Myrcene
Battelle Columbus Laboratory	059902005	04/10/03	728	50(5)	31(682)	341.2	Pulegone

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#All Organs: Benign Tumors								
		49/50 (98%) 47/50 (94%)	49/49 (100%)	49/50 (98%)		41/50 (82%) 42/50 (84%)	43/50 (86%)	40/50 (80%)
Overall Incidence	Total	194/199 (97.49%)	Mean 97.5%	SD 2.52%	Total	166/200 (83%)	Mean 83%	SD 2.58%
#All Organs: Malignant Tumors								
		29/50 (58%) 10/50 (20%)	17/49 (35%)	23/50 (46%)		18/50 (36%) 8/50 (16%)	11/50 (22%)	11/50 (22%)
Overall Incidence	Total	79/199 (39.7%)	Mean 39.67%	SD 16.2%	Total	48/200 (24%)	Mean 24%	SD 8.49%
#All Organs: Malignant and Benign Tu	umors	50/50 (100%) 47/50 (94%)	49/49 (100%)	50/50 (100%)		46/50 (92%) 44/50 (88%)	46/50 (92%)	45/50 (90%)
Overall Incidence	Total	196/199 (98.49%)	Mean 98.5%	SD 3%	Total	181/200 (90.5%)	Mean 90.5%	SD 1.91%
≉All Organs: Hemangioma		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/50 (0%) 0/199 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 1/200 (0.5%)	Mean 0.5%	SD 1%
#All Organs: Hemangiosarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1%	SD 2%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#All Organs: Hemangiosarcoma or H	lemangioma							
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%
#All Organs: Histiocytic Sarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
#All Organs: Leukemia: Erythrocytic								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#All Organs:		lononuclear, or Undifferer		9/50 (18%)		8/50 (16%)	5/50 (10%)	5/50 (10%)
		4/50 (8%)	(1470)	0/00 (10/0)		4/50 (8%)	0/00 (10/0)	0,00 (10,0)
Overall Incidence	Total	30/199 (15.08%)	Mean 15.07%	SD 5.28%	Total	22/200 (11%)	Mean 11%	SD 3.46%
#All Organs: Malignant Lymphoma:	Histiocytic, Lvn	nphocytic, Mixed, NOS, o						
		0/50 (0%) 0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1.01%	SD 1.17%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#All Organs: Mesothelioma: Benign								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Benign, Malig								
		3/50 (6%) 2/50 (4%)	3/49 (6%)	2/50 (4%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	10/199 (5.03%)	Mean 5.03%	SD 1.19%	Total	2/200 (1%)	Mean 1%	SD 1.15%
#All Organs: Mesothelioma: Malignant								
		3/50 (6%) 2/50 (4%)	3/49 (6%)	2/50 (4%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	10/199 (5.03%)	Mean 5.03%	SD 1.19%	Total	2/200 (1%)	Mean 1%	SD 1.15%
#All Organs: Osteoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma								
		2/50 (4%) 0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#All Organs: Osteosarcoma or Osteoma								
		2/50 (4%) 0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%
Adrenal Cortex: Adenoma								
		0/50 (0%) 2/50 (4%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	0/200 (0%)	Mean 0%	SD 0%
*Adrenal Cortex: Carcinoma								
		0/50 (0%) 0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Ganglioneuroma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Adrenal Medulla: Pheochromocytoma Ber	nign							
		5/50 (10%) 8/50 (16%)	5/49 (10%)	11/50 (22%)		2/50 (4%) 3/50 (6%)	3/50 (6%)	1/50 (2%)
Overall Incidence	Total	29/199 (14.57%)	Mean 14.55%	SD 5.69%	Total	9/200 (4.5%)	Mean 4.5%	SD 1.91%
Adrenal Medulla: Pheochromocytoma Co								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Mal	lignant	3/50 (6%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 5/199 (2.51%)	Mean 2.5%	SD 3%	Total	0/50 (0%) 0/200 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Be		x, Malignant, NOS 7/50 (14%)	5/49 (10%)	13/50 (26%)		2/50 (4%)	3/50 (6%)	1/50 (2%)
Overall Incidence	Total	8/50 (16%) 33/199 (16.58%)	Mean 16.55%	SD 6.74%	Total	3/50 (6%) 9/200 (4.5%)	Mean 4.5%	SD 1.91%
#Bone: Chondrosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Bone: Chondrosarcoma or Chondr	oma							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Bone: Chordoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
#Bone: Osteoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma								
		2/50 (4%) 0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma or Osteoma								
		2/50 (4%) 0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Brain: Astrocytoma Malignant								
		0/50 (0%) 1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain: Ependymoma Benign								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain: Ependymoma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
'Brain: Glioma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain: Granular Cell Tumor Benig	n							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Brain: Medulloblastoma Mal								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma Beni								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Mali	gnant	1/50 (2%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/50 (0%) 1/200 (0.5%)	Mean 0.5%	SD 1%
*Brain: Oligodendroglioma, Glio								
		1/50 (2%) 1/50 (2%)	0/49 (0%)	1/50 (2%)		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
*Brain: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
'Brain: Schwannoma Malignant		0/50 /0%()	0/40 (02/)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0)()
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Adenoma								
		2/50 (4%) 3/50 (6%)	0/49 (0%)	5/50 (10%)		3/48 (6%) 3/50 (6%)	2/50 (4%)	7/50 (14%)
Overall Incidence	Total	10/199 (5.03%)	Mean 5%	SD 4.16%	Total	15/198 (7.58%)	Mean 7.56%	SD 4.41%
*Clitoral/Preputial Gland: Carcinoma								
		2/50 (4%) 1/50 (2%)	1/49 (2%)	0/50 (0%)		2/48 (4%) 0/50 (0%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	4/199 (2.01%)	Mean 2.01%	SD 1.63%	Total	4/198 (2.02%)	Mean 2.04%	SD 2.36%
Clitoral/Preputial Gland: Carcinoma or Adenoma								
		4/50 (8%) 4/50 (8%)	1/49 (2%)	5/50 (10%)		5/48 (10%) 3/50 (6%)	4/50 (8%)	7/50 (14%)
Overall Incidence	Total	14/199 (7.04%)	Mean 7.01%	SD 3.44%	Total	19/198 (9.6%)	Mean 9.6%	SD 3.44%
Clitoral/Preputial Gland: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/48 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
Clitoral/Preputial Gland: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/48 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%
≇Ear: Neural Crest Tumor								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Esophagus: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
∕Esophagus: Lipoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Eye: Melanoma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Eye: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Harderian Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Heart: Schwannoma Benign								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
Heart: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Intestine Large: Colon/F Adenoma	Rectum:							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/F Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/F Carcinoma or Adenom	Rectum:	0/50 (00/)						
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/F Hemangioma	Rectum:							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Duoden Carcinoma	num:							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Intestine Small: Duodenum: Leiomyoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Granular Cell Tumor Maligna								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Intestine Small: Jejunum: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unsp Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unsp Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Intestine Small: Site Unsp Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unsp Granular Cell Tumor Mal	ecified:							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Intestine Small: Site Unspec Leiomyoma	cified:							
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Adenoma								
		4/50 (8%) 2/50 (4%)	4/49 (8%)	2/50 (4%)		0/50 (0%) 1/50 (2%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	12/199 (6.03%)	Mean 6.04%	SD 2.36%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%
'Islets, Pancreatic: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Carcinoma or Adenoma								
		4/50 (8%) 2/50 (4%)	4/49 (8%)	3/50 (6%)		0/50 (0%) 1/50 (2%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	13/199 (6.53%)	Mean 6.54%	SD 1.96%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
Kidney: Pelvis and Trans Carcinoma	sitional Epitheliu	ım:						
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Trans Carcinoma or Adenoma	sitional Epitheliu							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Kidney: Pelvis and Trans Papilloma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Adenoma								
		0/50 (0%) 1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Kidney: Renal Tubule: Carcinoma or Adenoma								
		0/50 (0%) 1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Lipoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Mesenchymal Tumor Benigr								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Mesenchymal Tumor Malign	ant							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
Kidney: Renal Tubule: Nephroblastoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
Kidney: Renal Tubule: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Liver: Cholangioma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
'Liver: Hemangiosarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
'Liver: Hepatocellular Adenoma								
		1/50 (2%) 1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Liver: Hepatocellular Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Hepatocellular Carcinoma Overall Incidence	Total	1/50 (2%) 1/50 (2%) 3/199 (1.51%)	1/49 (2%) Mean 1.51%	0/50 (0%) SD 1.01%	Total	0/50 (0%) 1/50 (2%) 1/200 (0.5%)	0/50 (0%) Mean 0.5%	0/50 (0%) SD 1%
[*] Liver: Hepatocellular Carcinoma,	Hepatocellu	ular Adenoma, or Hepato	blastoma					
······································		1/50 (2%) 1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
*Liver:								
Ito Cell Tumor Benign			0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0,10 (0,0)	· · · · ·		0/50 (0%)		

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
^t Lung: Alveolar/Bronchiolar Ac	lenoma							
		3/50 (6%) 0/50 (0%)	2/49 (4%)	3/50 (6%)		1/50 (2%) 2/50 (4%)	0/50 (0%)	4/50 (8%)
Overall Incidence	Total	8/199 (4.02%)	Mean 4.02%	SD 2.83%	Total	7/200 (3.5%)	Mean 3.5%	SD 3.42%
*Lung: Alveolar/Bronchiolar Ca				- / / /				
		1/50 (2%) 1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	0/200 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar Ca Overall Incidence	Total	veolar/Bronchiolar Adeno 4/50 (8%) 1/50 (2%) 10/199 (5.03%)	2/49 (4%) Mean 5.02%	3/50 (6%) SD 2.57%	Total	1/50 (2%) 2/50 (4%) 7/200 (3.5%)	0/50 (0%) Mean 3.5%	4/50 (8%) SD 3.42%
[•] Lung: Fibrosarcoma		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
*Lung: Hemangiosarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
^t Lung: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Lymph Node: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenolipoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Mammary Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	4/200 (2%)	Mean 2%	SD 2.31%
#Mammary Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		4/50 (8%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	5/200 (2.5%)	Mean 2.5%	SD 3.79%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Mammary Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		4/50 (8%) 2/50 (4%)	3/50 (6%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	9/200 (4.5%)	Mean 4.5%	SD 3.42%
#Mammary Gland: Fibroadenoma								
		4/50 (8%) 1/50 (2%)	0/49 (0%)	0/50 (0%)		26/50 (52%) 21/50 (42%)	24/50 (48%)	17/50 (34%)
Overall Incidence	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	88/200 (44%)	Mean 44%	SD 7.83%
#Mammary Gland: Fibroma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma or								
		4/50 (8%) 1/50 (2%)	0/49 (0%)	0/50 (0%)		26/50 (52%) 22/50 (44%)	25/50 (50%)	17/50 (34%)
Overall Incidence	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	90/200 (45%)	Mean 45%	SD 8.08%
#Mammary Gland: Fibroma, Fibroadenoma, Ca	arcinoma, o	r Adenoma						
		4/50 (8%) 1/50 (2%)	0/49 (0%)	0/50 (0%)		28/50 (56%) 22/50 (44%)	26/50 (52%)	17/50 (34%)
Overall Incidence	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	93/200 (46.5%)	Mean 46.5%	SD 9.71%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Mesentery: Fibrous Histiocytoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Mesentery: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Mesentery: Lipoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Mesentery: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
'Nose: Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Nose: Chondroma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Nose: Squamous Cell Carcin								
		0/50 (0%) 1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
Papilloma Squamous Overall Incidence	or Papilloma Total	0/50 (0%) 0/50 (0%) 2/199 (1.01%)	1/49 (2%) Mean 1.01%	1/50 (2%) SD 1.17%	Total	0/50 (0%) 0/50 (0%) 1/200 (0.5%)	0/50 (0%) Mean 0.5%	1/50 (2%) SD 1%
#Oral Cavity (Oral Mucos	sa, Tongue, Pha							
Squamous Cell Carcin			0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Squamous Cell Carcin		1/50 (2%) 0/50 (0%)	0/40 (0/0)			0/50 (0%)		
Squamous Cell Carcin Overall Incidence	Total	()	Mean 0.5%	SD 1%	Total	0/50 (0%) 1/200 (0.5%)	Mean 0.5%	SD 1%
Overall Incidence #Oral Cavity (Oral Muco	sa, Tongue, Pha	0/50 (0%) 1/199 (0.5%)	()		Total	()	Mean 0.5%	SD 1%
Overall Incidence #Oral Cavity (Oral Muco	sa, Tongue, Pha	0/50 (0%) 1/199 (0.5%) rynx, Tooth, Gingiva):	()		Total	()	Mean 0.5% 0/50 (0%)	SD 1% 2/50 (4%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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				Male						F	emale		
#Oral Mucosa: Squamous Cell Carcinoma													
		(2%) 0/49 9%)	(0%)	0/50	(0%)		0/50 0/50	(0%) (0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/199 (0.5%)	Mean	0.5%	SD 1%		Total	1/200 (0	.5%)	Mean	0.5%	SD	1%
#Oral Mucosa: Squamous Cell Papilloma						<i></i>				_ /			<i></i>
		(1/49 1%)	(2%)	1/50	(2%)		0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	2/199 (1.01%)	Mean	1.01%	SD 1.17%		Total	0/200 ())		n 0%	SD	
*Ovary: Cystadenoma								0/50	(0%)	1/50	(2%)	0/50	(0%)
Overall Incidence							Total	0/50 1/200 (0	(0%) .5%)	Mean	0.5%	SD	1%
Ovary: Granulosa Cell Tumor Benig	ın												
								0/50 0/50	(0%) (0%)	0/50	(0%)	1/50	(2%)
Overall Incidence							Total	1/200 (0	.5%)	Mean	0.5%	SD	1%
ʻOvary: Granulosa Cell Tumor Maligi	nant							o /= -	(22.)	- /	(00())	a (a c	(00())
								0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
Overall Incidence							Total	0/200 (Mear	n 0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories			Toxicolo Fumor Inciden		d Control A		Page: 30 Report Date: 03/20/2010)10	
Species: RATS				Route: GA								
Strain: F 344/N				Vehicle: CC	ORN OIL							
Length of Study: CHRONIC												
			Male		·				F	emale		
*Ovary: Granulosa Cell Tumor: Benign, l	Malignant NOS				·							
Grandiosa Gen Famor. Beingin,	nanghant, 100						0/50 0/50	(0%) (0%)	0/50	(0%)	1/50	(2%)
Overall Incidence						Total	1/200 (0			0.5%	SD	
*Ovary: Granulosa-Theca Tumor Benign												
-							0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence						Total	0/50 0/200 ((0%) 0%)	Mea	n 0%	SD	0%
*Ovary: Granulosa-Theca Tumor Malign												
Granulosa-meca rumor mangin							0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
Overall Incidence						Total	0/200 (Mea	n 0%	SD	0%
*Ovary: Tubulostromal Adenoma												
							0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
Overall Incidence						Total	0/200 (Mea	n 0%	SD	
*Pancreas: Adenoma												
	7/50 2/50	(14%) 1/4 (4%)	9 (2%)	1/50	(2%)		0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
Overall Incidence To	otal 11/199 (5.5		1 5.51%	SD 5.74%		Total	0/200 (Mea	n 0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
Pancreas: Carcinoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
Pancreas: Carcinoma or Adenoma								
		8/50 (16%) 2/50 (4%)	1/49 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	12/199 (6.03%)	Mean 6.01%	SD 6.72%	Total	0/200 (0%)	Mean 0%	SD 0%
*Pancreas: Mixed Tumor Benign								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
'Pancreas: Mixed Tumor Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Parathyroid Gland: Adenoma								
		0/47 (0%) 1/49 (2%)	1/49 (2%)	1/45 (2%)		0/47 (0%) 2/46 (4%)	0/44 (0%)	0/47 (0%)
Overall Incidence	Total	3/190 (1.58%)	Mean 1.58%	SD 1.05%	Total	2/184 (1.09%)	Mean 1.09%	SD 2.17%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
Pituitary Gland: Pars Di Adenoma	istalis or Unspec	cified Site:						
		19/50 (38%) 11/50 (22%)	21/49 (43%)	6/50 (12%)		25/50 (50%) 27/50 (54%)	29/50 (58%)	25/50 (50%)
Overall Incidence	Total	57/199 (28.64%)	Mean 28.71%	SD 14.27%	Total	106/200 (53%)	Mean 53%	SD 3.83%
Pituitary Gland: Pars Di Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
*Pituitary Gland: Pars Di Carcinoma or Adenon Overall Incidence		19/50 (38%) 11/50 (22%) 57/199 (28.64%)	21/49 (43%) Mean 28.71%	6/50 (12%) SD 14.27%	Total	25/50 (50%) 27/50 (54%) 107/200 (53.5%)	30/50 (60%) Mean 53.5%	25/50 (50%) SD 4.73%
*Pituitary Gland: Pars Di Ganglioneuroma			0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (078)	0/30 (078)		0/50 (0%)	0/30 (078)	0/30 (078)
	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Overall Incidence								
Overall Incidence *Pituitary Gland: Pars In Adenoma	termedia:							
*Pituitary Gland: Pars In	termedia:	1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male					Female	
*Pituitary Gland: Pars Interm Carcinoma or Adenoma	edia:								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0	0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%		Total	0/200 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Nervos Craniopharyngioma									
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0	0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%		Total	0/200 (0%)	Mean 0%	SD 0%
*Prostate: Adenoma									
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0	0%)				
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%					
Prostate: Carcinoma or Adenoma									
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0	0%)				
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%					
Salivary Glands: Carcinoma									
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0	0%)		0/49 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%		Total	0/199 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
Salivary Glands: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
Salivary Glands: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
*Salivary Glands: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%
#Seminal Vesicle: Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)				
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: Fibrous Histiocytoma								
		0/50 (0%) 0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Skeletal Muscle: Hemangiosarcoma								
-		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or F Overall Incidence	Rhabdomyoma Total	a 0/50 (0%) 0/50 (0%) 1/199 (0.5%)	0/49 (0%) Mean 0.5%	1/50 (2%) SD 1%	Total	0/50 (0%) 0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		()				()		
¥Skin: Basal Cell Adenoma		0/50 (0%) 0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Basal Cell Adenoma or B	asosquamous	s Tumor Benign						
	·	0/50 (0%) 0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
∜Skin: Basal Cell Adenoma, Ba	asosquamous ⁻	Tumor Benign, or Trichoe	pithelioma					
	·	0/50 (0%) 0/50 (0%)	. 2/49 (4%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
≮Skin: Basal Cell Carcinoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%
Overall Incidence	Total	0/50 (0%) 2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/50 (0%) 0/200 (0%)	Mean 0%	SD 0%
Skin: Basal Cell Carcinoma, E NOS), or Trichoepithelic		noma, Basosquamous Tu						
<i>//</i>		1/50 (2%)	2/49 (4%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)				0/30 (0/0)		
Overall Incidence	Total	4/199 (2.01%)	Mean 2.02%	SD 1.67%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
Overall Incidence #Skin: Basal or Sq. Cell Carcin	noma, Carcinom	4/199 (2.01%)	B), Basal Cell Adenom		Total		Mean 0.5%	SD 1%
Overall Incidence #Skin: Basal or Sq. Cell Carcin	noma, Carcinom	4/199 (2.01%)	B), Basal Cell Adenom		Total		Mean 0.5% 0/50 (0%)	SD 1% 1/50 (2%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Skin: Fibroma								
		5/50 (10%) 3/50 (6%)	7/49 (14%)	3/50 (6%)		0/50 (0%) 3/50 (6%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	18/199 (9.05%)	Mean 9.07%	SD 3.95%	Total	6/200 (3%)	Mean 3%	SD 2.58%
#Skin: Fibroma, Fibrosarcoma, \$	Sarcoma, My		•					
		7/50 (14%) 3/50 (6%)	7/49 (14%)	4/50 (8%)		0/50 (0%) 3/50 (6%)	1/50 (2%)	3/50 (6%)
Overall Incidence	Total	21/199 (10.55%)	Mean 10.57%	SD 4.21%	Total	7/200 (3.5%)	Mean 3.5%	SD 3%
#Skin: Fibrosarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin:		a, or Fibrous Histiocytom	a					
		2/50 (4%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Fibrous Histiocytoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Skin: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma								
		7/50 (14%) 3/50 (6%)	0/49 (0%)	2/50 (4%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	12/199 (6.03%)	Mean 6%	SD 5.89%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Lipoma								
		2/50 (4%) 0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.51%	SD 1.92%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Liposarcoma								
		0/50 (0%) 0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Skin: Neural Crest Tumor								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Neural Crest Tumor, M								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Neurofibroma or Schw Overall Incidence	annoma benign Total	0/50 (0%) 0/50 (0%) 0/199 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		0,100 (0,0)				0/200 (0/0)		
Skin: Neurofibrosarcoma or	Schwannoma (n	nalignant or NOS)						
		0/50 (0%) 3/50 (6%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Ne	eurofibroma, or s	Schwannoma (benign, m	alignant or NOS)					
		0/50 (0%) 3/50 (6%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Skin: Sarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Benign								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Malignant								
		0/50 (0%) 3/50 (6%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcinoma, or Carcinoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Skin: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
		7/50 (14%)	0/49 (0%)	2/50 (10/)				
	Total	3/50 (6%) 12/199 (6.03%)	Mean 6%	2/50 (4%) SD 5.89%	Total	0/50 (0%) 1/50 (2%) 1/200 (0.5%)	0/50 (0%) Mean 0.5%	0/50 (0%) SD 1%
#Skin:		3/50 (6%) 12/199 (6.03%)	Mean 6%	SD 5.89%		1/50 (2%) 1/200 (0.5%)	Mean 0.5%	SD 1%
Overall Incidence #Skin: Squamous Cell Papilloma		3/50 (6%) 12/199 (6.03%)	Mean 6%	SD 5.89%		1/50 (2%) 1/200 (0.5%)	Mean 0.5%	SD 1%
#Skin: Squamous Cell Papilloma		3/50 (6%) 12/199 (6.03%) or Keratoacanthoma 7/50 (14%)	Mean 6%	SD 5.89%		1/50 (2%) 1/200 (0.5%) 0/50 (0%)	Mean 0.5%	SD 1%
#Skin: Squamous Cell Papilloma Overall Incidence	, Papilloma, c	3/50 (6%) 12/199 (6.03%) or Keratoacanthoma 7/50 (14%) 3/50 (6%)	Mean 6% 0/49 (0%)	SD 5.89% 2/50 (4%) SD 5.89%		1/50 (2%) 1/200 (0.5%) 0/50 (0%) 1/50 (2%)	Mean 0.5% 0/50 (0%)	SD 1% 0/50 (0%) SD 1%
#Skin: Squamous Cell Papilloma Overall Incidence #Skin:	, Papilloma, c	3/50 (6%) 12/199 (6.03%) or Keratoacanthoma 7/50 (14%) 3/50 (6%)	Mean 6% 0/49 (0%)	SD 5.89% 2/50 (4%)		1/50 (2%) 1/200 (0.5%) 0/50 (0%) 1/50 (2%)	Mean 0.5% 0/50 (0%)	SD 1% 0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Skin: Sebaceous Gland: Adenoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma or Adenoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%
#Spinal Cord: Astrocytoma Benign								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Spinal Cord: Astrocytoma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
≭Spinal Cord: Glioma Malignant								
		0/50 (0%) 0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
Spleen: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
Spleen: Fibrous Histiocytoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Spleen: Hemangiosarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1%	SD 2%
Spleen: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
[•] Spleen: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Stomach, Forestomach: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma o	or Papillom	a Squamous 0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
≭Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/199 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/200 (0.5%)	Mean 0.5%	SD 1%
		0/199 (070)		30 0%		1/200 (0.578)	Wear 0.5%	50 1%
#Stomach, Glandular: Carcinoma		0/50 (00%)	0/40 (0%)			0/50 (00//)		0/50 (00/)
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Stomach, Glandular: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
∜Stomach, Glandular: Lipoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
'Testes: Adenoma								
		46/50 (92%) 46/50 (92%)	37/49 (76%)	47/50 (94%)				
Overall Incidence	Total	176/199 (88.44%)	Mean 88.38%	SD 8.63%				
'Testes: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)				
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%				

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Thymus: Thymoma Benign								
		0/47 (0%) 0/50 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant								
		0/47 (0%) 0/50 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS								
		0/47 (0%) 0/50 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malign								
		0/47 (0%) 0/50 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma								
		9/50 (18%) 8/50 (16%)	8/49 (16%)	12/50 (24%)		7/50 (14%) 8/50 (16%)	5/50 (10%)	5/50 (10%)
Overall Incidence	Total	37/199 (18.59%)	Mean 18.58%	SD 3.72%	Total	25/200 (12.5%)	Mean 12.5%	SD 3%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Thyroid Gland: C-Cell: Carcinoma								
		6/50 (12%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		3/50 (6%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/199 (3.02%)	Mean 3%	SD 6%	Total	3/200 (1.5%)	Mean 1.5%	SD 3%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		15/50 (30%) 8/50 (16%)	8/49 (16%)	12/50 (24%)		9/50 (18%) 8/50 (16%)	5/50 (10%)	5/50 (10%)
Overall Incidence	Total	43/199 (21.61%)	Mean 21.58%	SD 6.72%	Total	27/200 (13.5%)	Mean 13.5%	SD 4.12%
*Thyroid Gland: Follicular Cell: Adenoma								
		1/50 (2%) 0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
'Thyroid Gland: Follicular Cell: Carcinoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	2/50 (4%)		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
		2/50 (4%) 0/50 (0%)	1/49 (2%)	3/50 (6%)		1/50 (2%) 0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	6/199 (3.02%)	Mean 3.01%	SD 2.58%	Total	2/200 (1%)	Mean 1%	SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Tissue NOS: Lipoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Tissue NOS: Paraganglioma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinor								0/50 (00/)
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinor			0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/49 (078)	0/30 (0 %)		0/50 (0%)	0/30 (078)	1/30 (278)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Tongue: Squamous Cell Papillom	a							
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Tooth: Adamantinoma Malignant								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
#Tooth: Odontoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
*Urinary Bladder: Carcinoma or Papilloma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
'Urinary Bladder: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
Urinary Bladder: Papilloma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma								
						0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/200 (0%)	Mean 0%	SD 0%
#Uterus: Carcinoma								
						0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence					Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Uterus: Deciduoma Benign								
						1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	1/200 (0.5%)	Mean 0.5%	SD 1%
#Uterus: Hemangioma								
						0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/200 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL		Page: 51 Report Date: 03/20/2010				
	Male	Female					
#Uterus:							
Hemangiosarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%			
#Uterus:							
Leiomyosarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%			
#Uterus: Polyp Stromal		8/50 (16%)	7/50 (14%)	8/50 (16%)			
		8/50 (16%) 5/50 (10%)	7/50 (14%)	8/50 (16%)			
Overall Incidence	Total	28/200 (14%)	Mean 14%	SD 2.83%			
#Uterus:							
Sarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%			
#Uterus: Sarcoma Stromal							
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL							Page: 52 Report Date: 03/20/2010					
					Male						F	emale		
fUterus:	tromol													
Sarcoma Stromal or Polyp S	tromai								8/50 5/50	(16%) (10%)	7/50	(14%)	8/50	(16%)
Overall Incidence								Total	28/200	()		า 14%	SD 2	.83%
Uterus: Schwannoma Malignant														
									0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total	0/200	. ,	Mea	n 0%	SD	0%
Vagina: Polyp														
									1/50 0/50	(2%) (0%)	0/50	(0%)	0/50	(0%)
verall Incidence								Total	1/200 (0.5%)	Mear	0.5%	SD	1%
Vagina: Sarcoma														
									0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
overall Incidence								Total	0/200	(0%)	Mea	n 0%	SD	0%
Zymbal's Gland: Adenoma														
			(0%) (0%)	0/49	(0%)	0/50	(0%)		0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/199 (0%)	(0,0)	Mean	0%	SD 0%		Total	0/200		Mea	n 0%	SD	0%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#Zymbal's Gland: Carcinoma								
		2/50 (4%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 2%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%
⊭Zymbal's Gland: Carcinoma or Adenoma								
		2/50 (4%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 2%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Southern Research Institute	059902407	02/03/03	729	50(3)	21(661)	518.7	Androstenedione
Southern Research Institute	059903705	06/09/03	729	50(3)	27(662)	523.0	alpha/beta Thujone mixture
					Female		
Southern Research Institute	059902407	02/03/03	729	50(5)	38(710)	356.5	Androstenedione
Southern Research Institute	059903705	06/09/03	730	50(5)	35(689)	335.4	alpha/beta Thujone mixture

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incider	logy Data Manageme nce for Selected Contro Route: GAVAGE hicle: METHYLCELLU	Page: 55 Report Da	ı te: 03/20/2010		
			Male	Female				
#All Organs: Benign Tumors		47/50 (049/)	44/50 (889/)			44/50 (000/)	46/50 (02%)	
Overall Incidence	Total	47/50 (94%) 91/100 (91%)	44/50 (88%) Mean 91%	SD 4.24%	Total	44/50 (88%) 90/100 (90%)	46/50 (92%) Mean 90%	SD 2.83%
#All Organs: Malignant Tumors								
Overall Incidence	Total	34/50 (68%) 65/100 (65%)	31/50 (62%) Mean 65%	SD 4.24%	Total	10/50 (20%) 30/100 (30%)	20/50 (40%) Mean 30%	SD 14.14%
#All Organs: Malignant and Benign Tumo		49/50 (98%)	48/50 (96%)			46/50 (92%)	49/50 (98%)	
Overall Incidence	Total	97/100 (97%)	Mean 97%	SD 1.41%	Total	95/100 (95%)	Mean 95%	SD 4.24%
#All Organs: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Hemangiosarcoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Hemangiosarcoma or Hema		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Inciden	logy Data Managemen nce for Selected Contro Route: GAVAGE hicle: METHYLCELLU	ol Animal Groups		Page: 56 Report Da	te: 03/20/2010
			Male	Female				
#All Organs: Histiocytic Sarcoma								
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Leukemia: Erythrocytic		0/50 (0%)					0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Leukemia: Lymphocytic, Mo Overall Incidence	nocytic, Mo	ononuclear, or Undifferen 26/50 (52%) 48/100 (48%)	tiated 22/50 (44%) Mean 48%	SD 5.66%	Total	5/50 (10%) 15/100 (15%)	10/50 (20%) Mean 15%	SD 7.07%
#All Organs: Malignant Lymphoma: Histic						0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#All Organs: Mesothelioma: Benign		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Benign, Malig			2/50 (4%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N			Tumor Incider	ogy Data Manageme nce for Selected Contro Route: GAVAGE nicle: METHYLCELLU		Page: 57 Report Date: 03/20/2010			
Length of Study: CHRONIC									
			Male				Female		
#All Organs: Mesothelioma: Malignant Overall Incidence	Total	1/50 (2%) 3/100 (3%)	2/50 (4%) Mean 3%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#All Organs: Osteoma	,								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#All Organs: Osteosarcoma		1/50 (2%)	1/50 (2%)			0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
#All Organs: Osteosarcoma or Osteoma		1/50 (2%)	1/50 (2%)			0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
*Adrenal Cortex: Adenoma		3/50 (6%)	1/50 (2%)			0/50 (0%)	1/47 (2%)		
Overall Incidence	Total	4/100 (4%)	Mean 4%	SD 2.83%	Total	1/97 (1.03%)	Mean 1.06%	SD 1.5%	
*Adrenal Cortex: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/47 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/97 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider Veł		Page: 58 Report Dat	e: 03/20/2010		
			Male			Female		
*Adrenal Medulla: Ganglioneuroma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/98 (0%)	0/48 (0%) Mean 0%	SD 0%
	10tai	0/100 (0%)		30 0%		()		JU 0%
*Adrenal Medulla: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/48 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Benign		7/50 (14%)	6/50 (12%)			3/50 (6%)	2/48 (4%)	
Overall Incidence	Total	13/100 (13%)	Mean 13%	SD 1.41%	Total	5/98 (5.1%)	Mean 5.08%	SD 1.3%
*Adrenal Medulla: Pheochromocytoma Comple	ex	1/50 (2%)	0/50 (0%)			1/50 (2%)	1/48 (2%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	2/98 (2.04%)	Mean 2.04%	SD 0.06%
*Adrenal Medulla: Pheochromocytoma Maligna		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/48 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Benigr			6/50 (12%)			4/50 (8%)	3/48 (6%)	
Overall Incidence	Total	14/100 (14%)	Mean 14%	SD 2.83%	Total	7/98 (7.14%)	Mean 7.13%	SD 1.24%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE						te: 03/20/2010		
			Male			Female				
#Bone: Chondrosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Bone: Chondrosarcoma or Chondr	oma	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Bone: Chordoma Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
#Bone: Osteoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Bone: Osteosarcoma		1/50 (2%)	1/50 (2%)			0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%		
#Bone: Osteosarcoma or Osteoma		1/50 (2%)	1/50 (2%)			0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incide	logy Data Manageme nce for Selected Contro Route: GAVAGE hicle: METHYLCELLU	ol Animal Groups		Page: 60 Report Da	SD 0% SD 0% SD 0%			
			Male				Female 0/50 (0%) Mean 0% 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)				
*Brain: Astrocytoma Malignant		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)					
*Brain: Ependymoma Benign											
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	()	SD 0%			
*Brain: Ependymoma Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%)				
		()				. ,					
*Brain: Glioma Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	· · ·	SD 1.41%			
		()				()					
*Brain: Granular Cell Tumor Benign		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%				
*Brain: Medulloblastoma Mal		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incider	logy Data Manageme nce for Selected Contr Route: GAVAGE hicle: METHYLCELLU	ol Animal Groups		te: 03/20/2010	
			Male				Female	
*Brain: Oligodendroglioma Benign Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
						0,100 (0,0)		
*Brain: Oligodendroglioma Maligna	ant	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma, Glioma		/toma 1/50 (2%)	0/50 (0%)	SD 1.41%	Totol	0/50 (0%)	1/50 (2%) Mean 1%	SD 4 449/
Overall Incidence		1/100 (1%)	Mean 1%		Total	1/100 (1%)		SD 1.41%
*Brain: Osteosarcoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Brain: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Adenoma		3/50 (6%)	2/49 (4%)			12/50 (24%)	12/50 (24%)	
Overall Incidence	Total	3/50 (6%) 5/99 (5.05%)	2/49 (4%) Mean 5.04%	SD 1.36%	Total	24/100 (24%)	12/50 (24%) Mean 24%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incider	logy Data Manageme nce for Selected Contr Route: GAVAGE hicle: METHYLCELLU	ol Animal Groups		Page: 62 Report Da	te: 03/20/2010
			Male	Report Date: 03/20/2010 Female 1/50 (2%) 2/50 (4%) 3/100 (3%) Mean 3% SD 1.41% 13/50 (26%) 14/50 (28%) 27/100 (27%) Mean 27% SD 1.41% 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 1/50 (2%) 0/50 (0%) Mean 1% SD 1.41% 0/50 (0%) 0/50 (0%) Mean 1% SD 0%				
*Clitoral/Preputial Gland: Carcinoma		0/50 (0%)	1/49 (2%)			()	()	
Overall Incidence	Total	1/99 (1.01%)	Mean 1.02%	SD 1.44%	Total	3/100 (3%)	Mean 3%	SD 1.41%
*Clitoral/Preputial Gland: Carcinoma or Adenoma		3/50 (6%)	3/49 (6%)			13/50 (26%)	14/50 (28%)	
Overall Incidence	Total	6/99 (6.06%)	Mean 6.06%	SD 0.09%	Total	, ,	()	SD 1.41%
*Clitoral/Preputial Gland: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	SD 0%
*Clitoral/Preputial Gland: Sarcoma Overall Incidence	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	1/50 (2%)	0/50 (0%)	
#Ear: Neural Crest Tumor Overall Incidence	Totol	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	w مع	Totol	()		SD 0%
	Total	()		SD 0%	Total	0/100 (0%)		JU U%
#Esophagus: Fibrosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incider	Route: GAVAGE	ol Animal Groups		e: 03/20/2010				
			Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE Male 0/50				Female				
#Esophagus: Lipoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%			0/100 (0%)	Mean 0%	SD 0%			
#Eye: Melanoma Malignant							0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%			0/100 (0%)	Mean 0%	SD 0%			
#Eye: Schwannoma Malignant							0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%			0/100 (0%)	Mean 0%	SD 0%			
#Harderian Gland: Carcinoma							0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%			0/100 (0%)	Mean 0%	SD 0%			
#Harderian Gland: Carcinoma or Adenoma							0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%			
*Heart: Schwannoma Benign		0/50 (0%)	2/50 (4%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%			

*: Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider Vel	Page: 64 Report Date: 03/20/2010 Female				
			Male				Female	
*Heart: Schwannoma Malignant Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	nimal Groups Report Date: 03 SE Female 0/50 (0%) 0/50 (0%) Total 0/100 (0%) Mean 0% 0/50 (0%) 1/50 (2%) Total 1/100 (1%) Mean 1% S 0/50 (0%) 0/50 (0%) Mean 1% S 0/50 (0%) Mean 0% Mean 0% S	SD 0%	
#Intestine Large: Colon/Rectu Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	()	()	SD 1.41%
#Intestine Large: Colon/Rectu Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%		0/100 (0%)	Mean 0%	SD 0%
Intestine Large: Colon/Rectu Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%		()	()	SD 1.41%
#Intestine Large: Colon/Rectu Hemangioma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	()	· · ·	SD 0%
fIntestine Small: Duodenum: Carcinoma			0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N			Tumor Incidence	ogy Data Manageme ce for Selected Contr Route: GAVAGE icle: METHYLCELLU	rol Animal Groups		Page: 65 Report Date: 03/20/2010 Female 6) 0/50 (0%) Mean 0% SD 0%			
Length of Study: CHRONIC			Male				Female			
#Intestine Small: Duodenum: Leiomyoma										
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	Mean 0%			
#Intestine Small: Ileum: Adenoma										
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
#Intestine Small: Jejunum: Carcinoma							2/52 (22/)			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
#Intestine Small: Jejunum: Granular Cell Tumor Maligna		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Leiomyoma										
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
#Intestine Small: Jejunum: Leiomyosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		

Version: Mar2010 Contract/Lab: All Laboratori Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Inciden	ogy Data Manageme ce for Selected Contr Route: GAVAGE icle: METHYLCELLU	ol Animal Groups		Page: 66 Report Date: 03/20/2010				
			Male	······································			Female				
#Intestine Small: Site Unsp Adenoma	ecified:	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%			
#Intestine Small: Site Unsp Carcinoma											
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
#Intestine Small: Site Unsp Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
#Intestine Small: Site Unsp Granular Cell Tumor Mali Overall Incidence	ecified: gnant	0/50 (0%)	0/50 (0%)	SD 0%		0/50 (0%)	0/50 (0%)				
	Total	0/100 (0%)	Mean 0%		Total	0/100 (0%)	Mean 0%	SD 0%			
#Intestine Small: Site Unsp Leiomyoma	ecified:	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%			
#Intestine Small: Site Unsp Leiomyosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Inciden	logy Data Managemen nce for Selected Contro Route: GAVAGE hicle: METHYLCELLU	ol Animal Groups		Page: 67 Report Date: 03/20/2010				
			Male				Report Date: 03/20/2010 Female %) 1/49 (2%) Mean 2.02% SD 0.03% %) 0/49 (0%) Mean 1% SD 1.41% %) 1/49 (2%) Mean 3.02% SD 1.39% %) 0/44 (0%) Mean 0% SD 0%				
*Islets, Pancreatic: Adenoma		4/50 (8%)	1/50 (2%)			1/50 (2%)	1/49 (2%)				
Overall Incidence	Total	5/100 (5%)	Mean 5%	SD 4.24%	Total	2/99 (2.02%)	Mean 2.02%				
*Islets, Pancreatic: Carcinoma											
Overall Incidence	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%	Total	1/50 (2%) 1/99 (1.01%)	()	SD 1.41%			
*Islets, Pancreatic: Carcinoma or Adenoma		4/50 (8%)	3/50 (6%)			2/50 (4%)					
Overall Incidence	Total	7/100 (7%)	Mean 7%	SD 1.41%	Total	3/99 (3.03%)					
*Kidney: Pelvis and Transition Carcinoma			0/48 (0%)			0/50 (0%)					
Overall Incidence	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%				
*Kidney: Pelvis and Transition Carcinoma or Adenoma		ım:									
Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/94 (0%)	()	SD 0%			
*Kidney: Pelvis and Transition Papilloma							0(44 (09()				
Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/94 (0%)	0/44 (0%) Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incidence	ogy Data Manageme ce for Selected Contr Route: GAVAGE iicle: METHYLCELLU	rol Animal Groups		(0%) Mean 0% SD 0%				
			Male			Female 0/50 (0%) 0/44 (0%) Total 0/94 (0%) Mean 0% SD 0% 0/50 (0%) 0/44 (0%) Total 0/94 (0%) Mean 0% SD 0% 0/50 (0%) 0/44 (0%) Total 0/50 (0%) 0/44 (0%) Total 0/94 (0%) Mean 0% SD 0% 0/50 (0%) 0/44 (0%) SD 0% 0/50 (0%) 0/44 (0%) SD 0% Total 0/50 (0%) 0/44 (0%) 0/50 (0%) 0/44 (0%) SD 0%					
*Kidney: Renal Tubule: Adenoma											
Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%				
*Kidney: Renal Tubule: Carcinoma											
Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%				
*Kidney: Renal Tubule: Carcinoma or Adenoma											
Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%				
*Kidney: Renal Tubule: Hemangiosarcoma		0/49 (0%)	0/48 (0%)								
Overall Incidence	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%				
*Kidney: Renal Tubule: Lipoma											
Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/94 (0%)	0/44 (0%) Mean 0%	SD 0%			
*Kidney: Renal Tubule: Mesenchymal Tumor Benign		0/49 (0%)	0/48 (0%)			0/50 (0%)	0/44 (0%)				
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/94 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Inciden	ogy Data Manageme ice for Selected Contr Route: GAVAGE nicle: METHYLCELLU	ol Animal Groups	Page: 69 Report Date: 03/20/2010				
			Male				Female			
*Kidney: Renal Tubule: Mesenchymal Tumor Maligr Overall Incidence	iant Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/94 (1.06%)	1/44 (2%) Mean 1.14%	SD 1.61%		
*Kidney: Renal Tubule: Nephroblastoma										
Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/94 (0%)	0/44 (0%) Mean 0%	SD 0%		
*Kidney: Renal Tubule: Sarcoma Overall Incidence	Total	0/49 (0%) 0/97 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/94 (0%)	0/44 (0%) Mean 0%	SD 0%		
'Liver: Cholangioma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
*Liver: Hemangiosarcoma						0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
*Liver: Hepatocellular Adenoma		2/50 (4%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incider	logy Data Manageme nce for Selected Contr Route: GAVAGE hicle: METHYLCELLU	ol Animal Groups	Page: 70 Report Date: 03/20/2010				
			Male				Female 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)			
*Liver: Hepatocellular Carcinoma		0/50 (0%)	0/50 (0%)				()			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
*Liver: Hepatocellular Carcinoma o	r Hepatobla	istoma 0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
*Liver: Hepatocellular Carcinoma o Overall Incidence	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%	Total	0/50 (0%) 0/100 (0%)	()	SD 0%		
Liver: Hepatocellular Carcinoma, I						0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%		
'Liver: Ito Cell Tumor Benign		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%		
'Lung: Alveolar/Bronchiolar Adeno	ma	0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incider	logy Data Manageme nce for Selected Contro Route: GAVAGE hicle: METHYLCELLU	ol Animal Groups		e: 03/20/2010	
			Male				Female	
*Lung: Alveolar/Bronchiolar Carcin	oma	0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar Carcin						0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%
*Lung: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Lung: Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Lung: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Lymph Node: Hemangiosarcoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC #Mammary Gland: Adenolipoma	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE						Page: 72 Report Date: 03/20/2010	
	Male					Female		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%
#Mammary Gland: Carcinoma		0/50 (0%)	0/50 (0%)			2/50 (4%)	2/50 (4%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	4/100 (4%)	Mean 4%	SD 0%
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			3/50 (6%)	3/50 (6%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	6/100 (6%)	Mean 6%	SD 0%
#Mammary Gland: Fibroadenoma								
Overall Incidence	Total	2/50 (4%) 5/100 (5%)	3/50 (6%) Mean 5%	SD 1.41%	Total	35/50 (70%) 61/100 (61%)	26/50 (52%) Mean 61%	SD 12.73%
#Mammary Gland: Fibroma		1/50 (2%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicolo Tumor Inciden Veh	Page: 73 Report Date: 03/20/2010						
			Male			Female				
#Mammary Gland: Fibroma, Fibroadenoma or /		3/50 (6%)	3/50 (6%)			36/50 (72%)	28/50 (56%)			
Overall Incidence	Total	6/100 (6%)	Mean 6%	SD 0%	Total	64/100 (64%)	Mean 64%	SD 11.31%		
#Mammary Gland: Fibroma, Fibroadenoma, Ca		3/50 (6%)	3/50 (6%)			37/50 (74%)	30/50 (60%)			
Overall Incidence	Total	6/100 (6%)	Mean 6%	SD 0%	Total	67/100 (67%)	Mean 67%	SD 9.9%		
#Mesentery: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
#Mesentery: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
#Mesentery: Lipoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Mesentery: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE						e: 03/20/2010
			Male		Female			
*Nose: Adenoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		0/100 (078)		50 0%		()		50 0%
*Nose: Chondroma		0/50 (0%/)	0/50 (0%)			0/50 (0%/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Nose: Squamous Cell Carcinoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
								30 0%
#Oral Cavity (Oral Mucosa, Tor Papilloma Squamous or Pap	• •	nx, Tooth, Gingiva):	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, Tor Squamous Cell Carcinoma		nx, Tooth, Gingiva):						
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, Tor Squamous Cell Carcinoma, I	ngue, Phary	vnx, Tooth, Gingiva):	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC #Oral Mucosa: Squamous Cell Carcinoma	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE							Page: 75 Report Date: 03/20/2010		
			Male		Female					
	0/50 (0%) 0/50 (0%) 0/50 (0%)					0/50 (0%)	%) 0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Oral Mucosa: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
*Ovary: Cystadenoma						0/50 (0%)	0/50 (0%)			
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Beniç	ın					0/50 (0%)	0/50 (0%)			
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Malig	nant									
Overall Incidence					Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%		
*Ovary: Granulosa Cell Tumor: Beni										
Overall Incidence					Tatal	0/50 (0%)	1/50 (2%)	SD 1.41%		
					Total	1/100 (1%)	Mean 1%	JU 1.41%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	3		Toxico Tumor Incider Vel	Page: 76 Report Date: 03/20/2010				
					Female			
*Ovary: Granulosa-Theca Tumor B	enian							
Overall Incidence	-				Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Ovary: Granulosa-Theca Tumor M								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Ovary: Tubulostromal Adenoma								
Overall Incidence					Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%
*Pancreas: Adenoma								
Overall Incidence	Total	3/50 (6%) 3/100 (3%)	0/50 (0%) Mean 3%	SD 4.24%	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%
*Pancreas: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%
*Pancreas: Carcinoma or Adenoma		2/50 (0%)	0/50 (00%)			0/50 (00/.)	0/40 (0%)	
Overall Incidence	Total	3/50 (6%) 3/100 (3%)	0/50 (0%) Mean 3%	SD 4.24%	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE							Page: 77 Report Date: 03/20/2010		
			Male		Female					
*Pancreas: Mixed Tumor Benign		0/50 (09()	4/50 (0%)			0/50 (0%)	0/40 (0%)			
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/99 (0%)	0/49 (0%) Mean 0%	SD 0%		
*Pancreas: Mixed Tumor Malignant										
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%		
*Parathyroid Gland: Adenoma										
Overall Incidence	Total	0/48 (0%) 0/96 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/96 (0%)	0/47 (0%) Mean 0%	SD 0%		
*Pituitary Gland: Pars Distalis Adenoma						19/50 (38%)				
Overall Incidence	Total	43/100 (43%)	24/50 (48%) Mean 43%	SD 7.07%	Total	44/100 (44%)	25/50 (50%) Mean 44%	SD 8.49%		
*Pituitary Gland: Pars Distalis Carcinoma		ified Site:								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%		
*Pituitary Gland: Pars Distalis Carcinoma or Adenoma		ified Site:								
Overall Incidence	Total	19/50 (38%) 43/100 (43%)	24/50 (48%) Mean 43%	SD 7.07%	Total	19/50 (38%) 45/100 (45%)	26/50 (52%) Mean 45%	SD 9.9%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	5		Toxico Tumor Incider Vel	Page: 78 Report Date: 03/20/2010					
			Male			Female			
*Pituitary Gland: Pars Distal Ganglioneuroma	is or Unspeci	fied Site: 0/50 (0%)	0/50 (0%)						
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	
*Pituitary Gland: Pars Interm Adenoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	
*Pituitary Gland: Pars Interm Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
*Pituitary Gland: Pars Nervo Craniopharyngioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
*Prostate: Adenoma		0/50 (0%)	2/50 (4%)						
Overall Incidence	Total	2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%					
*Prostate: Carcinoma or Adenoma		0/50 (0%)	2/50 (40%)						
Overall Incidence	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%					

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE					Page: 79 Report Date: 03/20/2010		
			Male		Female				
*Salivary Glands: Carcinoma		0/50 (0%)	0/50 (09/)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
*Salivary Glands: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
*Salivary Glands: Sarcoma									
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
*Salivary Glands: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
#Seminal Vesicle: Adenoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%					
#Skeletal Muscle: Fibrous Histiocytoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Inciden Ver		Page: 80 Report Date: 03/20/2010			
			Male				Female	
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or Rh			0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma		0/50 (0%)	1/50 (2%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skin: Basal Cell Adenoma or Bas			1/50 (2%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Skin: Basal Cell Adenoma, Baso	squamous Tu	0/50 (0%)	3/50 (6%)			0/50 (0%)	1/50 (2%)	

Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	5		Page: 81 Report Date: 03/20/2010					
			Male				Female	
#Skin: Basal Cell Carcinoma		1/50 (2%)	1/50 (2%)			0/50 (00/)	1/50 (2%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 1/100 (1%)	Mean 1%	SD 1.41%
#Skin: Basal Cell Carcinoma or B		us Tumor (malignant or No	DS)					
Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Skin:								
Basal Cell Carcinoma, Bas NOS), or Trichoepitheliom Overall Incidence		oma, Basosquamous Tun 1/50 (2%) 5/100 (5%)	nor (benign, maligna 4/50 (8%) Mean 5%	nt or SD 4.24%	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%
	a Total na, Carcinom	1/50 (2%) 5/100 (5%) a, Basosq. Tumor (M or B	4/50 (8%) Mean 5%), Basal Cell Adenor	SD 4.24%	Total	. ,	()	SD 2.83%
NOS), or Trichoepitheliom Overall Incidence #Skin: Basal or Sq. Cell Carcinon Adenoma, Papilloma, Sq P	a Total na, Carcinom	1/50 (2%) 5/100 (5%) a, Basosq. Tumor (M or B pratoacanthoma, Trichoep	4/50 (8%) Mean 5%), Basal Cell Adenor ithelioma 9/50 (18%) Mean 14%	SD 4.24% na, SD 5.66%	Total	2/100 (2%) 0/50 (0%) 2/100 (2%)	Mean 2%	SD 2.83% SD 2.83%
NOS), or Trichoepitheliom Overall Incidence #Skin: Basal or Sq. Cell Carcinom	a Total na, Carcinom Papilloma, Ke	1/50 (2%) 5/100 (5%) a, Basosq. Tumor (M or B pratoacanthoma, Trichoep 5/50 (10%) 14/100 (14%)	4/50 (8%) Mean 5%), Basal Cell Adenor ithelioma 9/50 (18%) Mean 14%	SD 4.24% na,	Total	2/100 (2%) 0/50 (0%) 2/100 (2%)	Mean 2% 2/50 (4%) Mean 2%	
NOS), or Trichoepitheliom Overall Incidence #Skin: Basal or Sq. Cell Carcinon Adenoma, Papilloma, Sq P Overall Incidence #Skin: Fibroma Overall Incidence	a Total na, Carcinom Papilloma, Ke Total Total	1/50 (2%) 5/100 (5%) a, Basosq. Tumor (M or B tratoacanthoma, Trichoep 5/50 (10%) 14/100 (14%) 5/50 (10%) 16/100 (16%)	4/50 (8%) Mean 5%), Basal Cell Adenor ithelioma 9/50 (18%) Mean 14% 11/50 (22%) Mean 16%	SD 4.24% na, SD 5.66% SD 8.49%	Total Total	2/100 (2%) 0/50 (0%) 2/100 (2%) 3/50 (6%) 5/100 (5%)	Mean 2% 2/50 (4%) Mean 2% 2/50 (4%) Mean 5%	SD 2.83% SD 1.41%
NOS), or Trichoepitheliom Overall Incidence #Skin: Basal or Sq. Cell Carcinom Adenoma, Papilloma, Sq P Overall Incidence #Skin: Fibroma	a Total na, Carcinom Papilloma, Ke Total Total	1/50 (2%) 5/100 (5%) ba, Basosq. Tumor (M or B bratoacanthoma, Trichoep 5/50 (10%) 14/100 (14%) 5/50 (10%) 16/100 (16%)	4/50 (8%) Mean 5%), Basal Cell Adenor ithelioma 9/50 (18%) Mean 14% 11/50 (22%) Mean 16%	SD 4.24% na, SD 5.66% SD 8.49%	Total Total	2/100 (2%) 0/50 (0%) 2/100 (2%) 3/50 (6%) 5/100 (5%)	Mean 2% 2/50 (4%) Mean 2% 2/50 (4%) Mean 5%	SD 2.83% SD 1.41%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider Vel	Page: 82 Report Date: 03/20/2010						
			Male				Female			
#Skin: Fibrosarcoma		1/50 (2%)	3/50 (6%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	4/100 (4%)	Mean 4%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Skin: Fibrosarcoma, Sarcoma, M		1/50 (2%)	6/50 (12%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	7/100 (7%)	Mean 7%	SD 7.07%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Skin: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
#Skin: Hemangioma		0/50 (0%)	0/50 (0%)	CD 0%	Tatal	0/50 (0%)	0/50 (0%)	00.0%		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Skin: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Skin: Keratoacanthoma		3/50 (6%)	5/50 (10%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	8/100 (8%)	Mean 8%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 83 Report Date	e: 03/20/2010				
			Male		Female			
#Skin: Lipoma		4/50 (0%)	0/50 (00/)				0/50 (0%)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Liposarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Neural Crest Tumor								
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Neural Crest Tumor, Maligna		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Neurofibroma or Schwannor		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or Schw			0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

pecies: RATS train: F 344/N ength of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE							te: 03/20/2010
				Fe	male				
Skin: Neurofibrosarcoma, Neuro	ofibroma, or S		0/50 (0)()						
Overall Incidence Tota	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 Mean	(0%) 0%	SD 0%
Skin: Sarcoma		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50	(00()	
verall Incidence	Total	0/50 (0%) 3/100 (3%)	3/50 (6%) Mean 3%	SD 4.24%	Total	0/50 (0%) 0/100 (0%)	0/50 Mean	(0%) 0%	SD 0%
Skin: Schwannoma Benign		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50	(0%)	
verall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 Mean	(0%) 0%	SD 0%
Skin: Schwannoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50	(0%)	
verall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean	0%	SD 0%
Skin: Squamous Cell Carcinoma	3						o /= 0	(00())	
verall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 Mean	(0%) 0%	SD 0%
Skin: Squamous Cell Carcinoma or Carcinoma	a, Basal Cell C	-		or NOS),		0/50 (09()	4/50	(20())	
verall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 Mean	(2%) 1%	SD 1.41%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider Vel	Page: 85 Report Date: 03/20/2010				
			Male				Female	
#Skin: Squamous Cell Papilloma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma o	r Papilloma		0/50 (001)			0/50 (0%)	0/50 (00/)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma, F Overall Incidence	Papilloma, S Total	Gquamous Cell Carcinoma 4/50 (8%) 9/100 (9%)	5/50 (10%) Mean 9%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma, F Overall Incidence			5/50 (10%) Mean 9%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Trichoepithelioma		0/50 (0%)	2/50 (4%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 86 Report Dat	e: 03/20/2010					
			Male			Female			
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
#Spinal Cord: Astrocytoma Benign									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#Spinal Cord: Astrocytoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
#Spinal Cord: Glioma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
*Spleen: Fibrosarcoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/98 (0%)	0/48 (0%) Mean 0%	SD 0%	
*Spleen: Fibrous Histiocytoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/48 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incidence	ogy Data Manageme ce for Selected Contr Route: GAVAGE iicle: METHYLCELLU		Page: 87 Report Dat	te: 03/20/2010	
			Male				Female	
*Spleen: Hemangiosarcoma		0/50 (0%)						
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/98 (0%)	0/48 (0%) Mean 0%	SD 0%
*Spleen: Leiomyosarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/98 (0%)	0/48 (0%) Mean 0%	SD 0%
*Spleen: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/98 (0%)	0/48 (0%) Mean 0%	SD 0%
#Stomach, Forestomach: Leiomyosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma o			0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Inciden Veh		Page: 88 Report Date: 03/20/2010			
			Male		Female			
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Glandular: Lipoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
*Testes: Adenoma								
Overall Incidence	Total	42/50 (84%) 77/100 (77%)	35/50 (70%) Mean 77%	SD 9.9%				

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 89 Report Date: 03/20/2010					
			Male				Female	
*Testes: Hemangioma		0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%				
*Thymus: Thymoma Benign		0/50 (0%)	0/44 (0%)			0/50 (0%)	0/48 (0%)	
Overall Incidence	Total	0/94 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant Overall Incidence	Total	0/50 (0%) 0/94 (0%)	0/44 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/98 (0%)	0/48 (0%) Mean 0%	SD 0%
*Thymus: Thymoma NOS		0/50 (0%)	0/44 (0%)			0/50 (0%)	0/48 (0%)	
Overall Incidence	Total	0/94 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malignar	nt, NOS	0/50 (0%)	0/44 (0%)			0/50 (0%)	0/48 (0%)	
Overall Incidence	Total	0/94 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma		3/50 (6%)	6/46 (13%)			4/50 (8%)	4/42 (10%)	
Overall Incidence	Total	9/96 (9.38%)	Mean 9.52%	SD 4.98%	Total	8/92 (8.7%)	Mean 8.76%	SD 1.08%

Version: Mar2010 Contract/Lab: All Laboratories				logy Data Manageme			Page: 90 Report Date: 03/20/2010		
Species: RATS				Route: GAVAGE					
Strain: F 344/N			Vel	hicle: METHYLCELLU	JLOSE				
Length of Study: CHRONIC									
			Male				Female		
*Thyroid Gland: C-Cell: Carcinoma									
Overall Incidence	Total	1/50 (2%) 1/96 (1.04%)	0/46 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 3/92 (3.26%)	3/42 (7%) Mean 3.57%	SD 5.05%	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma									
Overall Incidence	Total	4/50 (8%) 10/96 (10.42%)	6/46 (13%) Mean 10.52%	SD 3.57%	Total	4/50 (8%) 11/92 (11.96%)	7/42 (17%) Mean 12.33%	SD 6.13%	
	Total				Total	(/			
*Thyroid Gland: Follicular Cell: Adenoma	:								
Overall Incidence	Total	3/50 (6%) 3/96 (3.12%)	0/46 (0%) Mean 3%	SD 4.24%	Total	0/50 (0%) 0/92 (0%)	0/42 (0%) Mean 0%	SD 0%	
		. ,				· · /			
*Thyroid Gland: Follicular Cell: Carcinoma	:	0/50 (00/)	0/40 (00/)			0/50 (00/)	0/40 (00/)		
Overall Incidence	Total	0/50 (0%) 0/96 (0%)	0/46 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/92 (0%)	0/42 (0%) Mean 0%	SD 0%	
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma									
Overall Incidence	Total	3/50 (6%)	0/46 (0%) Mean 3%	SD 4 249/	Total	0/50 (0%)	0/42 (0%)		
	Total	3/96 (3.12%)		SD 4.24%	Total	0/92 (0%)	Mean 0%	SD 0%	
#Tissue NOS: Lipoma		0/50 /00/ \	0/50 (00/)			0/50 (00/)	0/50 (0%/)		
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Inciden	logy Data Manageme nce for Selected Contro Route: GAVAGE hicle: METHYLCELLU		Page: 91 Report Date: 03/20/2010		
			Male				Female	
#Tissue NOS: Paraganglioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma o	or Papilloma	a Squamous 1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Papilloma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tooth: Adamantinoma Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Tooth: Odontoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 92 Report Dat	Page: 92 Report Date: 03/20/2010				
			Male				Female	
*Urinary Bladder: Carcinoma or Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Leiomyosarcoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
'Urinary Bladder: Papilloma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Adenoma		·····						
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Carcinoma						0/50 (00/)	0/50 (00/)	
Overall Incidence *: Denominator is number of animals		xamined microscopically			Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Gro Route: GAVAGE Vehicle: METHYLCELLULOSE	Page: 93 Report Da	t e: 03/20/2010	
	Male		Female	
#Uterus: Deciduoma Benign		0/50 (0%)	0/50 (0%)	
Overall Incidence	Tota	l 0/100 (0%)	Mean 0%	SD 0%
#Uterus: Hemangioma			- (
Overall Incidence	Tota	()	0/50 (0%) Mean 0%	SD 0%
#Uterus: Hemangiosarcoma				
Overall Incidence	Tota	0/50 (0%) I 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Leiomyosarcoma		0/50 (0%)		
Overall Incidence	Tota	. ,	0/50 (0%) Mean 0%	SD 0%
#Uterus: Polyp Stromal				
Overall Incidence	Tota	()	17/50 (34%) Mean 26%	SD 11.31%
#Uterus: Sarcoma				
Overall Incidence	Tota	0/50 (0%) I 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		I U/100 (0%)	Mean U%	SD 0%

/ersion: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N	5		Toxicolo Tumor Inciden Veh	Page: 94 Report Da	te: 03/20/2010			
ength of Study: CHRONIC			Male				Female	
#Uterus:								
Sarcoma Stromal						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%
tUterus: Sarcoma Stromal or Polyp								
Overall Incidence					Total	9/50 (18%) 26/100 (26%)	17/50 (34%) Mean 26%	SD 11.31%
tUterus: Schwannoma Malignant								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Vagina:								
Polyp						0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/100 (0%)	Mean 0%	SD 0%
Vagina: Sarcoma								
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
tZymbal's Gland: Adenoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 95 Report Date: 03/20/2010					
			Male				Female	
#Zymbal's Gland: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Columbus Laboratory	058812305	03/21/01	727	50(3)	26(673)	509.7	Formamide
Battelle Columbus Laboratory	052000505	01/21/04	727	50(3)	30(679)	498.5	Ginseng
Battelle Columbus Laboratory	059501107	03/06/02	727	50(3)	22(673)	510.3	5-(Hydroxymethyl)-2-furfural
					Female		
Battelle Columbus Laboratory	058812305	03/20/01	730	50(5)	38(703)	358.3	Formamide
Battelle Columbus Laboratory	052000505	01/22/04	728	50(5)	36(700)	355.0	Ginseng
Battelle Columbus Laboratory	059501107	03/07/02	728	50(5)	31(679)	332.2	5-(Hydroxymethyl)-2-furfural

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 97 Report Date: 03/20/2010					
			Male	Female				
#All Organs: Benign Tumors	T	45/50 (90%)	49/50 (98%)	50/50 (100%)	-	43/50 (86%)	42/50 (84%)	46/50 (92%)
Overall Incidence	Total	144/150 (96%)	Mean 96%	SD 5.29%	Total	131/150 (87.33%)	Mean 87.33%	SD 4.16%
#All Organs: Malignant Tumors		25/50 (50%)	26/50 (52%)	35/50 (70%)		15/50 (30%)	10/50 (20%)	16/50 (32%)
Overall Incidence	Total	86/150 (57.33%)	Mean 57.33%	SD 11.02%	Total	41/150 (27.33%)	Mean 27.33%	SD 6.43%
#All Organs: Malignant and Benign Tum		48/50 (96%)	49/50 (98%)	50/50 (100%)		49/50 (98%)	45/50 (90%)	48/50 (96%)
Overall Incidence	Total	147/150 (98%)	Mean 98%	SD 2%	Total	142/150 (94.67%)	Mean 94.67%	SD 4.16%
#All Organs: Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#All Organs: Hemangiosarcoma or Hema	angioma							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male		Female					
#All Organs: Histiocytic Sarcoma		4/50 (0%)	0/50 (0)()	0/50 (00/)		0/50 (0%)	0/50 (00/)	0/50 (00/)		
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#All Organs: Leukemia: Erythrocytic		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
Leukemia: Lymphocytic, M Overall Incidence	Total	15/50 (30%) 61/150 (40.67%)	18/50 (36%) Mean 40.67%	28/50 (56%) SD 13.61%	Total	10/50 (20%) 25/150 (16.67%)	6/50 (12%) Mean 16.67%	9/50 (18%) SD 4.16%		
#All Organs: Malignant Lymphoma: Hist										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#All Organs:										
Mesothelioma: Benign										
Mesothelioma: Benign	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)		
	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
Mesothelioma: Benign		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
Mesothelioma: Benign Overall Incidence #All Organs:		0/150 (0%)	()	()	Total Total	()	()	()		

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
#All Organs: Mesothelioma: Malignant		2/50 (4%)	2/50 (4%)	2/50 (4%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/150 (4%)	Mean 4%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
#All Organs: Osteoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	0/50 (0%) Mean 0%	SD 0%
≮All Organs: Osteosarcoma		0/50 (0%)	4/50 (00/)	0/50 (08/)		0/50 (00%)	0/50 (00/.)	4/50 /00/)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
All Organs: Osteosarcoma or Osteoma								4/50 (20())
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Adrenal Cortex: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Adrenal Cortex: Carcinoma			0/50 (001)	0/50 (00%)		0/50 (00/)	0/50 (00/.)	0/50 (00/)
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
*Adrenal Medulla: Ganglioneuroma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Be	nign	9/50 (18%)	4/50 (8%)	5/50 (10%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	9/30 (18%) 18/150 (12%)	Mean 12%	SD 5.29%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Adrenal Medulla: Pheochromocytoma Co	mplex	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Ma	lignant							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Adrenal Medulla: Pheochromocytoma: Be	enign, Complex	, Malignant, NOS 9/50 (18%)	4/50 (8%)	5/50 (10%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	9/50 (18%) 18/150 (12%)	4/50 (8%) Mean 12%	5/50 (10%) SD 5.29%	Total	0/50 (0%) 1/150 (0.67%)	Mean 0.67%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ogy Data Management ice for Selected Control A Route: GAVAGE Vehicle: WATER	-	Page: 101 Report Date: 03/20/2010			
			Male		Female				
#Bone: Chondrosarcoma		0/50 (00/)	0/50 (00/)	0/50 (0%)		0/50 (0)()	0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Bone: Chondrosarcoma or Chondi									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Bone: Chordoma		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%		
#Bone: Osteoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Bone: Osteosarcoma		·····							
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	
#Bone: Osteosarcoma or Osteoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male			Female				
Brain: Astrocytoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
Brain: Ependymoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
Brain: Ependymoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
Brain: Glioma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
Brain: Granular Cell Tumor Benig										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%		
Brain: Medulloblastoma Mal										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male			Female					
*Brain: Oligodendroglioma Benign 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50											
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			
*Brain: Oligodendroglioma Mali		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			
Brain: Oligodendroglioma, Glic	oma, or Astrocy										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
Brain: Osteosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			
Brain: Schwannoma Malignant											
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
Clitoral/Preputial Gland: Adenoma											
Overall Incidence	Total	1/50 (2%) 6/150 (4%)	0/50 (0%) Mean 4%	5/50 (10%) SD 5.29%	Total	2/50 (4%) 6/150 (4%)	1/50 (2%) Mean 4%	3/50 (6%) SD 2%			

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 104 Report Date: 03/20/2010					
			Male	Female				
*Clitoral/Preputial Gland: Carcinoma		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Clitoral/Preputial Gland: Carcinoma or Adenoma				0/50 (40%)			0/50 (40/)	2/52 /02/)
Overall Incidence	Total	2/50 (4%) 8/150 (5.33%)	0/50 (0%) Mean 5.33%	6/50 (12%) SD 6.11%	Total	2/50 (4%) 7/150 (4.67%)	2/50 (4%) Mean 4.67%	3/50 (6%) SD 1.15%
*Clitoral/Preputial Gland: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Clitoral/Preputial Gland: Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Ear: Neural Crest Tumor								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Esophagus: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male					Female	
#Esophagus: Lipoma		0/50 (0%)	0/50 (0%)	0/50	(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	、	Total	0/150 (0%)	Mean 0%	SD 0%
∉Eye: Melanoma Malignant		0/50 (0%)	0/50 (0%)	0/50	(0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	(0 %)	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Eye: Schwannoma Malignant		0/50 (0%)	0/50 (0%/)	0/50	(00()		0/50 (09/)	0/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Harderian Gland: Carcinoma									
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 SD 1.15%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Harderian Gland: Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 SD 1.15%	(0%) ,	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Heart: Schwannoma Benign									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male			Female			
*Heart: Schwannoma Malignan	t						- /		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	
		()				(/			
Intestine Large: Colon/R Adenoma	ectum:								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	
Intestine Large: Colon/R Carcinoma	ectum:								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
Intestine Large: Colon/R Carcinoma or Adenoma	ectum:								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	
fIntestine Large: Colon/R Hemangioma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Intestine Small: Duoden Carcinoma	um:								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male			Female				
#Intestine Small: Duodenum Leiomyoma	:	0/50 (0%)	0/50 (0%)	0/50 (0)%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Intestine Small: Ileum: Adenoma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	9%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Intestine Small: Jejunum: Carcinoma										
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	SD 1.15%	9%) Total		0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
fIntestine Small: Jejunum: Granular Cell Tumor Malig										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
fIntestine Small: Jejunum: Leiomyoma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%)%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Intestine Small: Jejunum: Leiomyosarcoma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%)%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
#Intestine Small: Site Uns Adenoma	specified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Carcinoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Carcinoma or Adenoma	•	0/50 (00/)	4/50 (0%)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (0%()
Overall Incidence	Total	0/50 (0%)	1/50 (2%) Mean 0.67%	0/50 (0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		1/150 (0.67%)		SD 1.15%	Total	()		50 0%
Intestine Small: Site Uns Granular Cell Tumor Ma	•							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Leiomyoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Intestine Small: Site Uns Leiomyosarcoma	specified:	0/50 (00/)	0/50 (00%)	0/50 (0%)		0/50 (00/)	0/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
Islets, Pancreatic: Adenoma		2/50 (4%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
Islets, Pancreatic: Carcinoma		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%
Islets, Pancreatic: Carcinoma or Adenoma		3/50 (6%)	0/50 (0%)	4/E0 (99/)		1/50 (2%)	1/50 (29/)	0/50 (0%)
Overall Incidence	Total	7/150 (4.67%)	0/50 (0%) Mean 4.67%	4/50 (8%) SD 4.16%	Total	2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Kidney: Pelvis and Transit Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Pelvis and Transit Carcinoma or Adenoma		um:						
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Pelvis and Transit Papilloma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
'Kidney: Renal Tubule: Adenoma		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma or Adenoma		4/50 (00%)	0/50 (40/)	0/50 (00()		0/50 (0%)	0/50 (00/)	0/50 (0%)
Overall Incidence	Total	1/50 (2%) 3/150 (2%)	2/50 (4%) Mean 2%	0/50 (0%) SD 2%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Lipoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Mesenchymal Tumor Benign	 I	0/50 (00%)	0/50 (00/)	0/50 (0%)		0/50 (0%)	0/50 (00/)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Page: 111 Report Date: 03/20/2010

			Male				Female	
*Kidney: Renal Tubule: Mesenchymal Tumor Malig	jnant	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Nephroblastoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Liver: Cholangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
'Liver: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Liver: Hepatocellular Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	2/50 (4%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 2.31%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

Page: 112 Report Date: 03/20/2010

			Male				Female	
*Liver: Hepatocellular Carcinon	na	0/50 (00/)	1/50 (20/)	0/50 (0%)		0/50 (00/)	0/50 (00/)	0/50 (09/)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Liver: Hepatocellular Carcinon		astoma						
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
'Liver: Hepatocellular Carcinon	na or Hepatoce	Ilular Adenoma						- ()
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	2/50 (4%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 2.31%
*Liver: Hepatocellular Carcinon	na, Hepatocellı	Ilar Adenoma, or Hepatob 0/50 (0%)	lastoma 1/50 (2%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
'Liver: Ito Cell Tumor Benign								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Lung: Alveolar/Bronchiolar Ad	enoma	0/50 (00/)	0/50 (00%)	0/50 (0%)		4/50 (20/)	4/50 (20/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Page: 113 Report Date: 03/20/2010

			Male				Female				
*Lung: Alveolar/Bronchiolar Carcinoma 1/50 (2%) 0/50 (0%) 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%)											
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%			
*Lung:		veolar/Bronchiolar Adeno	ma								
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	2/50 (4%) 3/150 (2%)	1/50 (2%) Mean 2%	0/50 (0%) SD 2%			
′Lung: Fibrosarcoma		0/50 (00%)	0/50 (00/)	0/50 (0%)		0/50 (0%)	0/50 (00/.)	0/50 (0%)			
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
Lung: Hemangiosarcoma											
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
Lung: Squamous Cell Carcino	ma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
Łymph Node: Hemangiosarcoma											
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Page: 114 Report Date: 03/20/2010

			Male				Female	
#Mammary Gland: Adenolipoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Mammary Gland: Adenoma								
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 4/150 (2.67%)	2/50 (4%) Mean 2.67%	2/50 (4%) SD 2.31%
Mammary Gland: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	2/50 (4%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 2.31%
Mammary Gland: Carcinoma or Adenoma			- / / /			- ()	- ()	- (
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	2/50 (4%) 6/150 (4%)	2/50 (4%) Mean 4%	2/50 (4%) SD 0%
Mammary Gland: Fibroadenoma								
Overall Incidence	Total	2/50 (4%) 5/150 (3.33%)	2/50 (4%) Mean 3.33%	1/50 (2%) SD 1.15%	Total	33/50 (66%) 94/150 (62.67%)	32/50 (64%) Mean 62.67%	29/50 (58%) SD 4.16%
#Mammary Gland: Fibroma						······		
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER						te: 03/20/2010
			Male				Female	
#Mammary Gland: Fibroma, Fibroadenoma or A	Adenoma	4/50 (8%)	2/50 (4%)	1/50 (2%)		33/50 (66%)	33/50 (66%)	30/50 (60%)
Overall Incidence	Total	7/150 (4.67%)	Mean 4.67%	SD 3.06%	Total	96/150 (64%)	Mean 64%	SD 3.46%
#Mammary Gland: Fibroma, Fibroadenoma, Ca	ircinoma, oi	r Adenoma 4/50 (8%)	2/50 (4%)	1/50 (2%)		35/50 (70%)	33/50 (66%)	30/50 (60%)
Overall Incidence	Total	7/150 (4.67%)	Mean 4.67%	SD 3.06%	Total	98/150 (65.33%)	Mean 65.33%	SD 5.03%
#Mesentery: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		0/100 (070)				0/100 (0/0)		
#Mesentery: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Mesentery: Lipoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Mesentery: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
*Nose: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Nose: Chondroma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Nose: Squamous Cell Carcin	oma	0/50 /00()		0/50 (0%)			0/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Oral Cavity (Oral Mucos Papilloma Squamous o	sa, Tongue, Phar			0/50 (0%)		0/50 /00/)	0/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Phar	ynx, Tooth, Gingiva):						
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
#Oral Cavity (Oral Mucos	sa, Tongue, Phar	ynx, Tooth, Gingiva): Squamous, or Papilloma 0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER						Page: 117 Report Date: 03/20/2010		
			Male				Female			
#Oral Mucosa: Squamous Cell Carcinoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%		
		0/100 (078)		30 0%		1/130 (0.07 /8)				
#Oral Mucosa: Squamous Cell Papilloma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
						0/100 (0/0)				
*Ovary: Cystadenoma						0/50 (0%)	0/50 (00/)	0/40 (0%)		
Overall Incidence					Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%		
*Ovary: Granulosa Cell Tumor Beni	gn									
Overall Incidence					Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%		
*Ovary: Granulosa Cell Tumor Malig	gnant									
Overall Incidence					Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%		
*Ovary: Granulosa Cell Tumor: Ben	ign, Maligna	ant, NOS								
Overall Incidence					Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%		
*: Denominator is number of animals #: Denominator is number of animals		examined microscopically				5/145 (070)				

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	5			logy Data Management nce for Selected Control A Route: GAVAGE Vehicle: WATER	Page: 118 Report Date: 03/20/2010					
			Male			Female				
*Ovary: Granulosa-Theca Tumor B	enian									
Overall Incidence	-				Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%		
*Ovary: Granulosa-Theca Tumor M										
Overall Incidence					Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%		
*Ovary: Tubulostromal Adenoma										
Overall Incidence					Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%		
*Pancreas: Adenoma										
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
*Pancreas: Carcinoma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
Pancreas: Carcinoma or Adenoma		0/50 (00%)		4/50 (00/)			0/50 (00/)	0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
*Pancreas: Mixed Tumor Benign		0/50 /02//	0/50 (00%)	0/50 (0%)		0/50 (0%)	0/50 /00//	0/50 (08/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Pancreas: Mixed Tumor Malignant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Parathyroid Gland: Adenoma								
Overall Incidence	Total	0/48 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/46 (0%) 0/142 (0%)	0/48 (0%) Mean 0%	0/48 (0%) SD 0%
Pituitary Gland: Pars Dista Adenoma		cified Site:						
Overall Incidence	Total	11/50 (22%) 46/150 (30.67%)	20/50 (40%) Mean 30.67%	15/50 (30%) SD 9.02%	Total	22/50 (44%) 62/150 (41.33%)	16/50 (32%) Mean 41.33%	24/50 (48%) SD 8.33%
Pituitary Gland: Pars Dista Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	2/50 (4%) 3/150 (2%)	0/50 (0%) Mean 2%	1/50 (2%) SD 2%
Pituitary Gland: Pars Dista Carcinoma or Adenoma		cified Site:						
Overall Incidence	Total	11/50 (22%) 46/150 (30.67%)	20/50 (40%) Mean 30.67%	15/50 (30%) SD 9.02%	Total	24/50 (48%) 65/150 (43.33%)	16/50 (32%) Mean 43.33%	25/50 (50%) SD 9.87%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 120 Report Date: 03/20/2010				
			Male				Female	
*Pituitary Gland: Pars Distalis Ganglioneuroma	or Unspeci							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Pituitary Gland: Pars Interme Adenoma	dia:	- / /		- ()			- / />	- / /
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Pituitary Gland: Pars Interme Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Nervos Craniopharyngioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Prostate: Adenoma		0/50 (00/)		0/50 (00/)				
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%				
*Prostate: Carcinoma or Adenoma		0/50 (0%)	1/50 (2%)	0/50 (0%)				
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%				

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
Salivary Glands: Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	, Total	0/150 (0%)	Mean 0%	SD 0%
Salivary Glands: Carcinoma or Adenoma								
overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Salivary Glands: Sarcoma								
overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
alivary Glands: Schwannoma Malignant		2/52 (201)	0/50 (00/)	0/50 (00/		0/50 (00/)	0/50 (00/)	0/50 (00/)
overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Seminal Vesicle: Adenoma								
verall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	,			
Skeletal Muscle: Fibrous Histiocytoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or R	habdomyoma		0/50 (0)()	0/50 (0%)		0/50 (00/.)	0/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin: Basal Cell Adenoma								
Overall Incidence	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Skin: Basal Cell Adenoma or Ba		Tumor Benign						
Overall Incidence	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
#Skin: Basal Cell Adenoma, Baso		umor Benign, or Trichoep						
	•	1/50 (2%)	1/50 (2%)	1/50 (2%)		2/50 (4%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female				
#Skin: Basal Cell Carcinoma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			
#Skin: Basal Cell Carcinoma oi	r Basosquamo	us Tumor (malignant or N	OS)								
	•	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			
#Skin: Basal Cell Carcinoma, E NOS), or Trichoepithelic		noma, Basosquamous Tur 1/50 (2%)	nor (benign, malignai 1/50 (2%)	nt or 1/50 (2%)		2/50 (4%)	1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%			
Basal or Sq. Cell Carcin Adenoma, Papilloma, So		na, Basosq. Tumor (M or I eratoacanthoma, Trichoeg 10/50 (20%) 16/150 (10.67%)		na, 4/50 (8%) SD 8.33%	Total	4/50 (8%) 7/150 (4.67%)	3/50 (6%) Mean 4.67%	0/50 (0%) SD 4.16%			
	q Papilloma, K	eratoacanthoma, Trichoeg 10/50 (20%) 16/150 (10.67%)	oithelioma 2/50 (4%) Mean 10.67%	4/50 (8%) SD 8.33%	Total	7/150 (4.67%)	Mean 4.67%	SD 4.16%			
Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence #Skin: Fibroma	q Papilloma, K Total	eratoacanthoma, Trichoeg 10/50 (20%) 16/150 (10.67%) 6/50 (12%)	oithelioma 2/50 (4%) Mean 10.67% 2/50 (4%)	4/50 (8%) SD 8.33% 5/50 (10%)		7/150 (4.67%)	Mean 4.67%	SD 4.16%			
Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence #Skin: Fibroma Overall Incidence	q Papilloma, K a Total Total	eratoacanthoma, Trichoeg 10/50 (20%) 16/150 (10.67%) 6/50 (12%) 13/150 (8.67%)	oithelioma 2/50 (4%) Mean 10.67% 2/50 (4%) Mean 8.67%	4/50 (8%) SD 8.33% 5/50 (10%) SD 4.16%	Total	7/150 (4.67%) 1/50 (2%) 2/150 (1.33%)	Mean 4.67% 0/50 (0%) Mean 1.33%	SD 4.16% 1/50 (2%) SD 1.15%			
Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence #Skin: Fibroma Overall Incidence #Skin:	q Papilloma, K a Total Total	eratoacanthoma, Trichoeg 10/50 (20%) 16/150 (10.67%) 6/50 (12%) 13/150 (8.67%) xoma, Myxosarcoma, or F	oithelioma 2/50 (4%) Mean 10.67% 2/50 (4%) Mean 8.67%	4/50 (8%) SD 8.33% 5/50 (10%) SD 4.16%	Total	7/150 (4.67%) 1/50 (2%) 2/150 (1.33%)	Mean 4.67% 0/50 (0%) Mean 1.33%	SD 4.16% 1/50 (2%) SD 1.15%			
Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence #Skin: Fibroma Overall Incidence #Skin:	q Papilloma, K a Total Total	eratoacanthoma, Trichoeg 10/50 (20%) 16/150 (10.67%) 6/50 (12%) 13/150 (8.67%)	oithelioma 2/50 (4%) Mean 10.67% 2/50 (4%) Mean 8.67%	4/50 (8%) SD 8.33% 5/50 (10%) SD 4.16%	Total	7/150 (4.67%) 1/50 (2%) 2/150 (1.33%)	Mean 4.67% 0/50 (0%) Mean 1.33%	SD 4.16% 1/50 (2%) SD 1.15%			

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
#Skin: Fibrosarcoma		0/50 (09/)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%/)	0/50 (0%/)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≴Skin: Fibrosarcoma, Sarcoma		a, or Fibrous Histiocytom						
Overall Incidence	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin: Fibrous Histiocytoma		4/50 (20/)		0/50 (0%)		0/50 (00/)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin: Hemangioma		0/50 (00/)		0/50 (0%)		0/50 (00/)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≮Skin: Keratoacanthoma		0/50 (400%)	0/50 (00/1)	0/50 (49/)		0/50 (40%)	0/50 (40/)	0/50 (00/)
Overall Incidence	Total	8/50 (16%) 10/150 (6.67%)	0/50 (0%) Mean 6.67%	2/50 (4%) SD 8.33%	Total	2/50 (4%) 4/150 (2.67%)	2/50 (4%) Mean 2.67%	0/50 (0%) SD 2.31%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
#Skin: Lipoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Liposarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Neural Crest Tumor		0/50 (0%)		0/50 (0%)			0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Neural Crest Tumor, Ma	alignant							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Neurofibroma or Schwa								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Neurofibrosarcoma or \$	Schwannoma (n		0/50 (001)	4/50 (000)		0/50 (00/1)	0/50 (00/)	4/50 (00)
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 126 Report Date: 03/20/2010					
			Male	Female				
#Skin: Neurofibrosarcoma, Neurofi	broma, or	Schwannoma (benign, ma 1/50 (2%)	lignant or NOS) 0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
¢Skin: Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
≮Skin: Schwannoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Skin: Schwannoma Malignant		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Skin: Squamous Cell Carcinoma						0/50 (0%/)	0/50 (0%)	0/50 (09/)
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
fSkin: Squamous Cell Carcinoma, I or Carcinoma	Basal Cell	Carcinoma, Basosquamo	us Tumor (malignant	or NOS),				
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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1/50 (2%) 1/150 (0.67%) oma 1/50 (2%) 1/150 (0.67%) a, Squamous Cell Carcinom 9/50 (18%) 13/150 (8.67%)	0/50 (0%) Mean 0.67% 0/50 (0%) Mean 0.67% na or Keratoacanthom 1/50 (2%) Mean 8.67%	0/50 (0%) SD 1.15% 0/50 (0%) SD 1.15% na 3/50 (6%) SD 8.33%	Total Total Total	0/50 (0%) 1/150 (0.67%) 0/50 (0%) 1/150 (0.67%) 2/50 (4%) 5/150 (3.33%)	1/50 (2%) Mean 0.67% 1/50 (2%) Mean 0.67% 3/50 (6%) Mean 3.33%	0/50 (0%) SD 1.15% 0/50 (0%) SD 1.15% 0/50 (0%) SD 3.06%
1/150 (0.67%) oma 1/50 (2%) 1/150 (0.67%) a, Squamous Cell Carcinom 9/50 (18%) 13/150 (8.67%)	Mean 0.67% 0/50 (0%) Mean 0.67% na or Keratoacanthom 1/50 (2%)	SD 1.15% 0/50 (0%) SD 1.15% na 3/50 (6%)	Total	1/150 (0.67%) 0/50 (0%) 1/150 (0.67%) 2/50 (4%)	Mean 0.67% 1/50 (2%) Mean 0.67% 3/50 (6%)	SD 1.15% 0/50 (0%) SD 1.15% 0/50 (0%)
oma 1/50 (2%) 1/150 (0.67%) a, Squamous Cell Carcinom 9/50 (18%) 13/150 (8.67%)	0/50 (0%) Mean 0.67% na or Keratoacanthom 1/50 (2%)	0/50 (0%) SD 1.15% na 3/50 (6%)	Total	0/50 (0%) 1/150 (0.67%) 2/50 (4%)	1/50 (2%) Mean 0.67% 3/50 (6%)	0/50 (0%) SD 1.15% 0/50 (0%)
1/50 (2%) 1/150 (0.67%) a, Squamous Cell Carcinom 9/50 (18%) 13/150 (8.67%)	Mean 0.67% na or Keratoacanthom 1/50 (2%)	SD 1.15% na 3/50 (6%)		1/150 (0.67%) ´ 2/50 (4%)	Mean 0.67% 3/50 (6%)	SD 1.15% 0/50 (0%)
1/150 (0.67%) na, Squamous Cell Carcinom 9/50 (18%) 13/150 (8.67%)	Mean 0.67% na or Keratoacanthom 1/50 (2%)	SD 1.15% na 3/50 (6%)		1/150 (0.67%) ´ 2/50 (4%)	Mean 0.67% 3/50 (6%)	SD 1.15% 0/50 (0%)
a, Squamous Cell Carcinom 9/50 (18%) 13/150 (8.67%)	na or Keratoacanthom 1/50 (2%)	na 3/50 (6%)		2/50 (4%)	3/50 (6%)	0/50 (0%)
9/50 (18%) 13/150 (8.67%)	1/50 (2%)	3/50 (6%)	Total			()
a, or Keratoacanthoma 9/50 (18%)	0/50 (0%)	2/50 (4%)		2/50 (4%)	3/50 (6%)	0/50 (0%)
11/150 (7.33%)	Mean 7.33%	SD 9.45%	Total	5/150 (3.33%)	Mean 3.33%	SD 3.06%
0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	()	()	Total	()		0/50 (0%) SD 0%
-	11/150 (7.33%) 0/50 (0%)	11/150 (7.33%) Mean 7.33% 0/50 (0%) 0/50 (0%) 0/150 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	11/150 (7.33%) Mean 7.33% SD 9.45% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/150 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) 0/50 (0%)	11/150 (7.33%) Mean 7.33% SD 9.45% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/150 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Total	11/150 (7.33%) Mean 7.33% SD 9.45% Total 5/150 (3.33%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/150 (0%) Mean 0% SD 0% Total 1/150 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 1/150 (0.67%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	11/150 (7.33%) Mean 7.33% SD 9.45% Total 5/150 (3.33%) Mean 3.33% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/150 (0%) Mean 0% SD 0% Total 1/150 (0.67%) Mean 0.67% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	0/50 (0%) Mean 0%	SD 0%
Spinal Cord: Astrocytoma Benign		0/50 (0%)		0/50 /00/	、	0/50 (0%)	0/50 (00/)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%	5) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Spinal Cord: Astrocytoma Malignant		0/50 /00/)	0/50 (00/)	0/50 /00/	、	0/50 (0%)	0/50 (00/.)	0/50 (00/.)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%	5) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Spinal Cord: Glioma Malignant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%	5) Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
Spleen: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%	5) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Spleen: Fibrous Histiocytoma			- /		、			
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
*Spleen: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Spleen: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Spleen: Sarcoma		0/50 (001)	0/50 (001)	0/50 (001)		0/50 (00/)	0/50 (00/.)	0/50 (00)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Forestomach: Leiomyosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Forestomach: Squamous Cell Carcinon								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Stomach, Forestomach: Squamous Cell Carcinon	na or Papillom							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)	0/50 (0%	\ \	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	0/50 (0%) SD 0%) Total	0/50 (0%)	Mean 0%	SD 0%
Stomach, Glandular: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Glandular: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 /00/	\ \	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Glandular: Lipoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Glandular: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Testes: Adenoma								
Overall Incidence	Total	44/50 (88%) 137/150 (91.33%)	45/50 (90%) Mean 91.33%	48/50 (96% SD 4.16%	b)			

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 131 Report Date: 03/20/2010						
			Male	Female					
*Testes: Hemangioma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)				
	10tai	0/130 (078)							
*Thymus: Thymoma Benign					(00/)		e//e /	o//o	
Overall Incidence	Total	0/49 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/48 SD 0%	(0%)	Total	0/48 (0%) 1/144 (0.69%)	0/48 (0%) Mean 0.69%	1/48 (2%) SD 1.2%
*Thymus: Thymoma Malignant		0/40 (004)	0/50 (00/)	0/40	(00()		0/40 (00/)	4/40 (00/)	0/40 (00/)
Overall Incidence	Total	0/49 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/48 SD 0%	(0%)	Total	0/48 (0%) 1/144 (0.69%)	1/48 (2%) Mean 0.69%	0/48 (0%) SD 1.2%
*Thymus: Thymoma NOS									
Overall Incidence	Total	0/49 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/48 SD 0%	(0%)	Total	0/48 (0%) 0/144 (0%)	0/48 (0%) Mean 0%	0/48 (0%) SD 0%
*Thymus: Thymoma: Benign, Malignar									
Overall Incidence	Total	0/49 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/48 SD 0%	(0%)	Total	0/48 (0%) 2/144 (1.39%)	1/48 (2%) Mean 1.39%	1/48 (2%) SD 1.2%
*Thyroid Gland: C-Cell: Adenoma									
Overall Incidence	Total	6/50 (12%) 18/150 (12%)	11/50 (22%) Mean 12%	1/50 SD 10%		Total	5/50 (10%) 22/150 (14.67%)	6/50 (12%) Mean 14.67%	11/50 (22%) SD 6.43%

*: Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Page: 132 Report Date: 03/20/2010

			Male				Female	
*Thyroid Gland: C-Cell: Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
'Thyroid Gland: C-Cell: Carcinoma or Adenoma		6/50 (12%)	11/50 (22%)	1/50 (2%)		5/50 (10%)	6/50 (12%)	12/50 (24%)
Overall Incidence	Total	18/150 (12%)	Mean 12%	SD 10%	Total	23/150 (15.33%)	Mean 15.33%	SD 7.57%
Thyroid Gland: Follicular Cell: Adenoma				(1		- /		
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Thyroid Gland: Follicular Cell: Carcinoma								
Overall Incidence	Total	1/50 (2%) 4/150 (2.67%)	1/50 (2%) Mean 2.67%	2/50 (4%) SD 1.15%	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%
Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
Overall Incidence	Total	1/50 (2%) 5/150 (3.33%)	1/50 (2%) Mean 3.33%	3/50 (6%) SD 2.31%	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%
#Tissue NOS: Lipoma		0/50 (637)	0/50 /00/1	0/50 (001)		0/50 (00/)	0/50 (00/.)	0/50 (001)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER

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			Male				Female	
#Tissue NOS: Paraganglioma		0/50 /00/1	0/50 /00/3	0/50 /2		0/50 (00/1)	0/50 (00/)	0/50 /00/.
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Tongue: Squamous Cell Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≭Tongue: Squamous Cell Carcinoma	or Papillom	a Squamous 0/50 (0%)	0/50 (0%)	0/50 (0)%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Tongue: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%))%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fTooth: Adamantinoma Malignant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	9%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
fTooth: Odontoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Page: 134 Report Date: 03/20/2010

			Male				Female	
Urinary Bladder: Carcinoma or Papilloma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Jrinary Bladder: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Urinary Bladder: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Jrinary Bladder: Papilloma						- ()	- / /)	- ()
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Uterus: Adenoma								
overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Uterus: Carcinoma						0/50 (00/)	0/50 (0%)	0/50 (00/)
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER		Page: 135 Report Dat	e: 03/20/2010
Male		Female	
Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Total	7/50 (14%) 23/150 (15.33%)	8/50 (16%) Mean 15.33%	8/50 (16%) SD 1.15%
Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER Male Total Total Total Total Total	Male 0/50 (0%) 0/50 (0%) 0/150 (0%) Total 0/50 (0%) 0/150 (0%) 0/150 (0%) Total 0/50 (0%) Total 0/50 (0%) Total 0/50 (0%) Total 0/150 (0%)	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER Report Date Male Female 0/50 0%0 0/50 0%0 Total 0/150 0%0 Mean 0% 0/50 0(%) Mean 0% Mean 0% Total 0/150 0%0 Mean 0% Mano 7/50 (14%) Mean 0% Mean 15.33% Mean 15.33% Mean 15.33%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N			Toxicolo Tumor Incideno	Page: 136 Report Date: 03/20/2010				
Length of Study: CHRONIC			Male				Female	
#Uterus: Sarcoma Stromal								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus: Sarcoma Stromal or Polyp \$								
Overall Incidence					Total	7/50 (14%) 23/150 (15.33%)	8/50 (16%) Mean 15.33%	8/50 (16%) SD 1.15%
#Uterus: Schwannoma Malignant								
Overall Incidence					Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
∜Vagina: Polyp								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
ŧVagina: Sarcoma								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
tZymbal's Gland: Adenoma				- /				
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	SD 0%	0%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	ì			ogy Data Management ce for Selected Control / Route: GAVAGE Vehicle: WATER	Page: 137 Report Date: 03/20/2010			
			Male				Female	
#Zymbal's Gland: Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

				Stu	dy Summary			
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical	
					Male			
Battelle Northwest	052001105	07/14/03	729	50(5)	23(678)	526.9	1-Bromopropane	
Battelle Northwest	059601105	06/04/01	729	50(5)	26(676)	540.9	Cumene	
Battelle Northwest	059901705	08/25/03	729	50(5)	28(686)	525.6	Diethylamine	
Battelle Northwest	058800603	08/06/01	729	50(5)	27(680)	537.2	alpha-Methylstyrene	
Battelle Northwest	059700805	10/01/01	729	49(5)	27(683)	525.0	Propargyl alcohol	
Battelle Northwest	059302507	06/16/03	729	50(5)	20(668)	536.2	Tetralin	
					Female			
Battelle Northwest	052001105	07/14/03	730	50(5)	34(702)	386.5	1-Bromopropane	
Battelle Northwest	059601105	06/04/01	731	50(5)	21(674)	356.9	Cumene	
Battelle Northwest	059901705	08/25/03	730	50(5)	31(687)	378.3	Diethylamine	
Battelle Northwest	058800603	08/06/01	730	50(5)	27(647)	351.9	alpha-Methylstyrene	
Battelle Northwest	059700805	10/01/01	730	50(5)	29(678)	353.3	Propargyl alcohol	
Battelle Northwest	059302507	06/16/03	730	50(5)	31(682)	370.8	Tetralin	

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Benign Tumors								
		48/50 (96%) 48/50 (96%)	48/50 (96%) 48/49 (98%)	44/50 (88%) 48/50 (96%)		45/50 (90%) 43/50 (86%)	44/50 (88%) 42/50 (84%)	43/50 (86%) 40/50 (80%)
Overall Incidence	Total	284/299 (94.98%)	Mean 94.99%	SD 3.51%	Total	257/300 (85.67%)	Mean 85.67%	SD 3.44%
All Organs: Malignant Tumors								
		38/50 (76%)	36/50 (72%)	31/50 (62%)		26/50 (52%)	24/50 (48%)	24/50 (48%)
N	Tatal	32/50 (64%)	32/49 (65%)	33/50 (66%)	T . (.)	25/50 (50%)	26/50 (52%)	25/50 (50%)
Overall Incidence	Total	202/299 (67.56%)	Mean 67.55%	SD 5.33%	Total	150/300 (50%)	Mean 50%	SD 1.79%
#All Organs: Malignant and Benign T		50/50 (100%) 50/50 (100%)	50/50 (100%) 49/49 (100%)	49/50 (98%) 50/50 (100%)	T	49/50 (98%) 46/50 (92%)	50/50 (100%) 47/50 (94%)	48/50 (96%) 46/50 (92%)
Overall Incidence	Total	298/299 (99.67%)	Mean 99.67%	SD 0.82%	Total	286/300 (95.33%)	Mean 95.33%	SD 3.27%
#All Organs: Hemangioma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#All Organs: Hemangiosarcoma								
-		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	1/50 (2%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Hemangiosarcoma or H	lemangioma							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	1/50 (2%) 1/50 (2%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 2/50 (4%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	3/300 (1%)	Mean 1%	SD 1.67%
#All Organs: Histiocytic Sarcoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	1/50 (2%)	0/49 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%
#All Organs: Leukemia: Erythrocytic	;							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T ()	0/50 (0%)	0/49 (0%)	0/50 (0%)	T ()	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
All Organs: Leukemia: Lymphocyti	c, Monocytic, N	Iononuclear, or Undiffere	entiated					
		29/50 (58%)	26/50 (52%)	25/50 (50%)		16/50 (32%)	12/50 (24%)	15/50 (30%)
		26/50 (52%)	21/49 (43%)	25/50 (50%)		18/50 (36%)	20/50 (40%)	17/50 (34%)
Overall Incidence	Total	152/299 (50.84%)	Mean 50.81%	SD 4.88%	Total	98/300 (32.67%)	Mean 32.67%	SD 5.47%
#All Organs: Malignant Lymphoma:	Histiocytic Lyr	nphocytic, Mixed, NOS, o	r Undifferentiated Col					
	insuocytic, Lyi	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
				()		(-/-/	·····	····· (·····)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Mesothelioma: Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
[‡] All Organs: Mesothelioma: Benign, Mal	ignant, NOS	;						
	0	0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34%	SD 2.42%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#All Organs: Mesothelioma: Malignant								
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34%	SD 2.42%	Total	0/300 (0%)	Mean 0%	SD 0%
#All Organs: Osteoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma								
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/299 (2.01%)	Mean 2.01%	SD 2.53%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Osteosarcoma or Osteoma								
		2/50 (4%) 0/50 (0%)	0/50 (0%) 1/49 (2%)	0/50 (0%) 3/50 (6%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	6/299 (2.01%)	Mean 2.01%	SD 2.53%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Adrenal Cortex: Adenoma								
		1/50 (2%)	0/50 (0%)	1/50 (2%)		3/50 (6%)	0/50 (0%)	4/50 (8%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	8/50 (16%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	17/300 (5.67%)	Mean 5.67%	SD 5.99%
Adrenal Cortex: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Ganglioneuroma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Adrenal Medulla: Pheochromocytoma Be	nign							
		10/50 (20%)	7/50 (14%)	7/50 (14%)		2/50 (4%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	8/50 (16%) 49/299 (16.39%)	8/49 (16%) Mean 16.39%	9/50 (18%) SD 2.33%	Total	1/49 (2%) 7/299 (2.34%)	1/50 (2%) Mean 2.34%	2/50 (4%) SD 1.5%
		+0/200 (10.0070)				()		00 1.370
*Adrenal Medulla: Pheochromocytoma Co	mplex							
		1/50 (2%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
• ••• ••		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/299 (1%)	Mean 1%	SD 1.67%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
*Adrenal Medulla: Pheochromocytoma Ma	lignant							
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		2/50 (4%)	3/49 (6%)	4/50 (8%)		0/49 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	11/299 (3.68%)	Mean 3.69%	SD 2.96%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
*Adrenal Medulla: Pheochromocytoma: Be								
		11/50 (22%)	7/50 (14%)	10/50 (20%)		3/50 (6%)	3/50 (6%)	0/50 (0%)
		10/50 (20%)	10/49 (20%)	12/50 (24%)		1/49 (2%)	1/50 (2%)	3/50 (6%)
Overall Incidence	Total	60/299 (20.07%)	Mean 20.07%	SD 3.35%	Total	11/299 (3.68%)	Mean 3.67%	SD 2.65%
#Bone: Chondrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Bone: Chondrosarcoma or Chondı	roma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Bone: Chordoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%
#Bone: Osteoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/299 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Bone: Osteosarcoma or Osteoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/299 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Brain: Astrocytoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Brain: Ependymoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
'Brain: Ependymoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
N	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Brain: Glioma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%) SD 0%	Tatal	1/50 (2%)	0/50 (0%)	0/50 (0%) SD 1.1%
	Total	0/299 (0%)	Mean 0%	SD 0%	Total	3/300 (1%)	Mean 1%	SD 1.1%
'Brain: Granular Cell Tumor Benig	n							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
O	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Brain: Medulloblastoma Mal								
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma Ber								
	-	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Mal	ignant	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Brain: Oligodendroglioma, Gli		ytoma						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%) SD 0%	Total	2/50 (4%)	0/50 (0%) Mean 1.67%	0/50 (0%) SD 1.97%
	Total	0/299 (0%)	Mean 0%	50 0%	Total	5/300 (1.67%)	Wean 1.07%	5D 1.97%
*Brain: Osteosarcoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell Incidence	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
'Brain: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T . (.)	0/50 (0%)	0/49 (0%)	0/50 (0%)	T - (-)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Adenoma								
		4/50 (8%)	0/50 (0%)	0/50 (0%)		3/49 (6%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	3/49 (6%)	0/50 (0%)		0/50 (0%)	4/50 (8%)	0/50 (0%)
Overall Incidence	Total	7/299 (2.34%)	Mean 2.35%	SD 3.69%	Total	9/299 (3.01%)	Mean 3.02%	SD 3.31%
*Clitoral/Preputial Gland: Carcinoma								
		2/50 (4%)	0/50 (0%)	1/50 (2%)		1/49 (2%)	2/50 (4%)	0/50 (0%)
		2/50 (4%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	4/50 (8%)
Overall Incidence	Total	5/299 (1.67%)	Mean 1.67%	SD 1.97%	Total	8/299 (2.68%)	Mean 2.67%	SD 3.01%
Clitoral/Preputial Gland: Carcinoma or Adenoma								
		6/50 (12%)	0/50 (0%)	1/50 (2%)		4/49 (8%)	3/50 (6%)	1/50 (2%)
		2/50 (4%)	3/49 (6%)	0/50 (0%)		1/50 (2%)	4/50 (8%)	4/50 (8%)
Overall Incidence	Total	12/299 (4.01%)	Mean 4.02%	SD 4.57%	Total	17/299 (5.69%)	Mean 5.69%	SD 2.97%
Clitoral/Preputial Gland: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
*Clitoral/Preputial Gland: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
∉Ear: Neural Crest Tumor								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%
#Esophagus: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Esophagus: Lipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Eye: Melanoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Eye: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/49 (0%)	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	0/299 (0%)	Mean 0%		Total	()	Mean 0%	
#Harderian Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Heart: Schwannoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	1/49 (2%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%
'Heart: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Large: Colon/Red Adenoma	ctum:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Large: Colon/Red Carcinoma	ctum:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	0/49 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Intestine Large: Colon/Red Carcinoma or Adenoma	ctum:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
N	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	T . (.)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Intestine Large: Colon/Red#	ctum:							
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenur Carcinoma	n:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
.		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Small: Duodenum: Leiomyoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	1/50 (2%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
fIntestine Small: Ileum: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Tatal	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	Total	0/299 (0%)			Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	Tetal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Granular Cell Tumor Maligna	ant							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T . (.)	0/50 (0%)	0/49 (0%)	0/50 (0%)	T . (.)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Small: Jejunum Leiomyosarcoma	1:							
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Adenoma	pecified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Carcinoma	pecified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Carcinoma or Adenoma	pecified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Granular Cell Tumor Ma	pecified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Small: Site Unspec Leiomyoma	cified:							
-		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	1/50 (2%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Adenoma								
		0/50 (0%)	1/50 (2%)	6/50 (12%)		0/50 (0%)	1/50 (2%)	2/50 (4%)
		3/50 (6%)	4/49 (8%)	3/50 (6%)		3/50 (6%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	17/299 (5.69%)	Mean 5.69%	SD 4.29%	Total	7/300 (2.33%)	Mean 2.33%	SD 2.34%
'Islets, Pancreatic: Carcinoma								
		3/50 (6%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
	-	1/50 (2%)	5/49 (10%)	1/50 (2%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	13/299 (4.35%)	Mean 4.37%	SD 3.28%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
*Islets, Pancreatic: Carcinoma or Adenoma								
		3/50 (6%)	3/50 (6%)	7/50 (14%)		1/50 (2%)	2/50 (4%)	2/50 (4%)
		4/50 (8%)	9/49 (18%)	4/50 (8%)		3/50 (6%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	30/299 (10.03%)	Mean 10.06%	SD 5.02%	Total	9/300 (3%)	Mean 3%	SD 2.1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Kidney: Pelvis and Tran Carcinoma	sitional Epitheli	um:						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Tran Carcinoma or Adenom	sitional Epitheli							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Tran Papilloma		um:						
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Adenoma								
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Kidney: Renal Tubule: Carcinoma or Adenoma								
		1/50 (2%)	2/50 (4%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 3/299 (1%)	0/49 (0%) Mean 1%	0/50 (0%) SD 1.67%	Total	0/49 (0%) 1/298 (0.34%)	0/50 (0%) Mean 0.34%	0/50 (0%) SD 0.83%
		· · /				()		
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
	T	0/50 (0%)	0/49 (0%)	0/50 (0%)	T ()	0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
'Kidney: Renal Tubule: Lipoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Mesenchymal Tumor Beni								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Mesenchymal Tumor Malig	gnant							
-	-	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Kidney: Renal Tubule: Nephroblastoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/49 (0%) 0/298 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		()				()		
Kidney: Renal Tubule: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Liver: Cholangioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Liver: Hemangiosarcoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
*Liver: Hepatocellular Carcinoma								
riepatoconalar ouronnonna		2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/299 (1%)	Mean 1.01%	SD 1.68%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Liver: Hepatocellular Carcinoma d								
•	•	2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/299 (1%)	Mean 1.01%	SD 1.68%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Overall Incidence	Total	2/50 (4%) 0/50 (0%) 4/299 (1.34%)	0/50 (0%) 1/49 (2%) Mean 1.34%	0/50 (0%) 1/50 (2%) SD 1.64%	Total	1/50 (2%) 0/50 (0%) 2/300 (0.67%)	0/50 (0%) 0/50 (0%) Mean 0.67%	1/50 (2%) 0/50 (0%) SD 1.03%
*Liver: Hepatocellular Carcinoma,								
•	•	2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34%	SD 1.64%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
*Liver: Ito Cell Tumor Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%) SD 0%		0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	0/299 (0%)	Mean 0%		Total	0/300 (0%)	Mean 0%	

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male			Female					
*Lung: Alveolar/Bronchiolar A	denoma										
		2/50 (4%) 0/50 (0%)	1/50 (2%) 1/49 (2%)	0/50 (0%) 0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34%	SD 1.64%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%			
*Lung: Alveolar/Bronchiolar Ca											
		1/50 (2%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)			
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	4/299 (1.34%)	Mean 1.33%	SD 1.03%	Total	3/300 (1%)	Mean 1%	SD 1.1%			
*Lung: Alveolar/Bronchiolar Ca	arcinoma or Al	alar/Propobiolar Adapa	ma								
		3/50 (6%)	2/50 (4%)	1/50 (2%) 1/50 (2%)		2/50 (4%) 0/50 (0%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)			
	Total			1/50 (2%) 1/50 (2%) SD 2.06%	Total	(,	1/50 (2%) 1/50 (2%) Mean 1.33%	0/50 (0%) 0/50 (0%) SD 1.63%			
Overall Incidence		3/50 (6%) 0/50 (0%)	2/50 (4%) 1/49 (2%)	1/50 (2%)	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)			
Overall Incidence *Lung:		3/50 (6%) 0/50 (0%) 8/299 (2.68%) 0/50 (0%)	2/50 (4%) 1/49 (2%) Mean 2.67% 0/50 (0%)	1/50 (2%) SD 2.06% 0/50 (0%)	Total	0/50 (0%) 4/300 (1.33%) 0/50 (0%)	1/50 (2%) Mean 1.33% 0/50 (0%)	0/50 (0%) SD 1.63% 0/50 (0%)			
Overall Incidence [•] Lung: Fibrosarcoma		3/50 (6%) 0/50 (0%) 8/299 (2.68%) 0/50 (0%) 0/50 (0%)	2/50 (4%) 1/49 (2%) Mean 2.67%	1/50 (2%) SD 2.06% 0/50 (0%) 0/50 (0%)	Total	0/50 (0%) 4/300 (1.33%) 0/50 (0%) 0/50 (0%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.63% 0/50 (0%) 0/50 (0%)			
Overall Incidence *Lung: Fibrosarcoma Overall Incidence	Total	3/50 (6%) 0/50 (0%) 8/299 (2.68%) 0/50 (0%) 0/50 (0%) 0/299 (0%)	2/50 (4%) 1/49 (2%) Mean 2.67% 0/50 (0%) 0/49 (0%) Mean 0%	1/50 (2%) SD 2.06% 0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 4/300 (1.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	1/50 (2%) Mean 1.33% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 1.63% 0/50 (0%)			
Overall Incidence *Lung: Fibrosarcoma Overall Incidence	Total	3/50 (6%) 0/50 (0%) 8/299 (2.68%) 0/50 (0%) 0/50 (0%) 0/299 (0%)	2/50 (4%) 1/49 (2%) Mean 2.67% 0/50 (0%) 0/49 (0%) Mean 0%	1/50 (2%) SD 2.06% 0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 4/300 (1.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	1/50 (2%) Mean 1.33% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 1.63% 0/50 (0%) 0/50 (0%)			
Overall Incidence *Lung: Fibrosarcoma Overall Incidence *Lung:	Total	3/50 (6%) 0/50 (0%) 8/299 (2.68%) 0/50 (0%) 0/299 (0%) 0/50 (0%)	2/50 (4%) 1/49 (2%) Mean 2.67% 0/50 (0%) 0/49 (0%) Mean 0% 0/50 (0%)	1/50 (2%) SD 2.06% 0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)	Total	0/50 (0%) 4/300 (1.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	1/50 (2%) Mean 1.33% 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 1.63% 0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)			
Overall Incidence *Lung: Fibrosarcoma Overall Incidence *Lung:	Total	3/50 (6%) 0/50 (0%) 8/299 (2.68%) 0/50 (0%) 0/50 (0%) 0/299 (0%)	2/50 (4%) 1/49 (2%) Mean 2.67% 0/50 (0%) 0/49 (0%) Mean 0%	1/50 (2%) SD 2.06% 0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 4/300 (1.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	1/50 (2%) Mean 1.33% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 1.63% 0/50 (0%) 0/50 (0%) SD 0%			

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
*Lung: Squamous Cell Carcinoma								
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#Lymph Node: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
A	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenolipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
O	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	3/50 (6%)	0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.68%	SD 1.67%	Total	4/300 (1.33%)	Mean 1.33%	SD 2.42%
#Mammary Gland: Carcinoma								
		0/50 (0%)	2/50 (4%)	0/50 (0%)		4/50 (8%)	10/50 (20%)	9/50 (18%)
A	-	0/50 (0%)	0/49 (0%)	0/50 (0%)	-	3/50 (6%)	7/50 (14%)	3/50 (6%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.63%	Total	36/300 (12%)	Mean 12%	SD 6.2%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Mammary Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	2/50 (4%) 2/49 (4%)	0/50 (0%) 0/50 (0%)		4/50 (8%) 3/50 (6%)	10/50 (20%) 10/50 (20%)	10/50 (20%) 3/50 (6%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.35%	SD 2.09%	Total	40/300 (13.33%)	Mean 13.33%	SD 7.34%
#Mammary Gland: Fibroadenoma								
		2/50 (4%)	0/50 (0%)	2/50 (4%)		25/50 (50%)	24/50 (48%)	27/50 (54%)
		1/50 (2%)	1/49 (2%)	1/50 (2%)		22/50 (44%)	26/50 (52%)	14/50 (28%)
Overall Incidence	Total	7/299 (2.34%)	Mean 2.34%	SD 1.5%	Total	138/300 (46%)	Mean 46%	SD 9.47%
#Mammary Gland: Fibroma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma c								
		2/50 (4%)	0/50 (0%)	2/50 (4%)		25/50 (50%)	24/50 (48%)	27/50 (54%)
		1/50 (2%)	3/49 (6%)	1/50 (2%)		22/50 (44%)	28/50 (56%)	14/50 (28%)
Overall Incidence	Total	9/299 (3.01%)	Mean 3.02%	SD 2.13%	Total	140/300 (46.67%)	Mean 46.67%	SD 10.09%
#Mammary Gland: Fibroma, Fibroadenoma, (Carcinoma, or	Adenoma						
		2/50 (4%)	2/50 (4%)	2/50 (4%)		27/50 (54%)	31/50 (62%)	30/50 (60%)
		1/50 (2%)	3/49 (6%)	1/50 (2%)		24/50 (48%)	31/50 (62%)	16/50 (32%)
Overall Incidence	Total	11/299 (3.68%)	Mean 3.69%	SD 1.54%	Total	159/300 (53%)	Mean 53%	SD 11.64%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Mesentery: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mesentery: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mesentery: Lipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mesentery: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Nose: Adenoma								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
*Nose: Chondroma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/49 (0%) 0/50 (0%)		0/50 (0%) 0/49 (0%)	1/50 (2%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%
Nose: Squamous Cell Carcin								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos Papilloma Squamous o Overall Incidence	or Papilloma Total	0/50 (0%) 0/50 (0%) 0/299 (0%)	0/50 (0%) 0/49 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%
Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Pha							
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
• ••• ••	T ()	0/50 (0%)	0/49 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Oral Cavity (Oral Mucos Squamous Cell Carcin		rynx, Tooth, Gingiva): Squamous, or Papilloma						
-	•	1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Oral Mucosa: Squamous Cell Carcinoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0% 0/50 (0%	/	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/299 (0.33%)	0/49 (0%) Mean 0.33%	0/50 (0% SD 0.82%	。) Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Oral Mucosa: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)	0/50 (0%	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0% SD 0%	o) Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		()				, ,		
*Ovary: Cystadenoma						0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/300 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor Beniş	gn							
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell Insidence					Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/300 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor Malig	jnant							
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	1/50 (2%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
						()		

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR								Page: 164 Report Da		010		
					Male							emale		
*Ovary: Granulosa Cell Tumor: Benign,	Malignant	NOS												
Grandiosa Gen Tumor. Demgn,	mangnant,	Nee							0/50 1/50	(0%) (2%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence								Total	1/300 (0	,		0.33%	SD 0	
*Ovary: Granulosa-Theca Tumor Benig														
									0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence								Total	0/300 (. ,		an 0%	SD	. ,
*Ovary: Granulosa-Theca Tumor Maligr	nant								2/50 0/50	(4%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence								Total	2/300 (0			0.67%	SD 1	
*Ovary: Tubulostromal Adenoma														
									0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence								Total	0/300 (. ,		(0%) an 0%	SD	
*Pancreas: Adenoma														
		0/50	(0%)	0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	otal	0/50 0/298 (0%	(0%)	0/49 Mean	(0%)	0/50 SD 0%	(0%)	Total	0/50 0/300 ((0%)	0/50	(0%) an 0%	0/50 SD	(0%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Pancreas: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/49 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Pancreas: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
0	T . (.)	0/50 (0%)	0/49 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
'Pancreas: Mixed Tumor Benign								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/298 (0.67%)	Mean 0.68%	SD 1.67%	Total	0/300 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Malignant								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
N	T . (.)	0/50 (0%)	0/49 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
'Parathyroid Gland: Adenoma								
		0/46 (0%)	0/45 (0%)	0/48 (0%)		0/47 (0%)	0/49 (0%)	1/43 (2%)
.	-	0/47 (0%)	0/47 (0%)	0/48 (0%)		0/43 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	0/281 (0%)	Mean 0%	SD 0%	Total	1/280 (0.36%)	Mean 0.39%	SD 0.95%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Pituitary Gland: Pars Di Adenoma	istalis or Unspe	cified Site:						
		37/50 (74%)	36/50 (72%)	31/50 (62%)		35/50 (70%)	35/50 (70%)	29/50 (58%)
		34/49 (69%)	36/49 (73%)	36/50 (72%)		35/50 (70%)	30/50 (60%)	36/49 (73%)
Overall Incidence	Total	210/298 (70.47%)	Mean 70.48%	SD 4.45%	Total	200/299 (66.89%)	Mean 66.91%	SD 6.31%
Pituitary Gland: Pars Di Carcinoma	istalis or Unspe	cified Site:						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	2/50 (4%)
		0/49 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	3/299 (1%)	Mean 1%	SD 1.67%
Pituitary Gland: Pars Di Carcinoma or Adenom	•	cified Site: 37/50 (74%) 34/49 (69%)	36/50 (72%) 36/49 (73%)	31/50 (62%) 37/50 (74%)		35/50 (70%) 35/50 (70%)	36/50 (72%) 30/50 (60%)	31/50 (62%) 36/49 (73%)
Overall Incidence	Total	211/298 (70.81%)	Mean 70.81%	SD 4.66%	Total	203/299 (67.89%)	Mean 67.91%	SD 5.55%
Pituitary Gland: Pars Di Ganglioneuroma	istalis or Unspe	cified Site:						
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (1%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Warall Incidence	Total		()	()	Total	0/200 (00/)	Maan 00/	CD 00/
Overall Incidence	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%
Overall Incidence 'Pituitary Gland: Pars In Adenoma			()	()	Total	0/299 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars In		1/298 (0.34%) 0/50 (0%)	Mean 0.33% Ó	SD 0.82%	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
Pituitary Gland: Pars In		1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total Total			

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Pituitary Gland: Pars Interr Carcinoma or Adenoma	nedia:							
		0/50 (0%) 0/49 (0%)	0/50 (0%) 1/49 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)
Overall Incidence	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%	Total	0/299 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Nervo Craniopharyngioma								
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Prostate: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%				
Prostate: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%				
Salivary Glands: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Salivary Glands: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Salivary Glands: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Salivary Glands: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Seminal Vesicle: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/49 (0%)	0/50 (0%)				
Verall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%				
/Skeletal Muscle: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skeletal Muscle: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skeletal Muscle: Rhabdomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
.	T ()	0/50 (0%)	0/49 (0%)	0/50 (0%)	-	1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skeletal Muscle: Rhabdomyosarcoma or F	Rhabdomyoma	a 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
≭Skin: Basal Cell Adenoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma or B	asosquamous	s Tumor Benign						
	-	0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/50 (2%) 4/299 (1.34%)	1/49 (2%)	1/50 (2%)	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
overall incluence	Total	4/299 (1.34%)	Mean 1.34%	SD 1.04%	Total	0/300 (0%)	wean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
tSkin:								
Basal Cell Adenoma, Bas	sosquamous 1	Tumor Benign, or Tric	•					
		0/50 (0%)	()	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	()	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.34%	SD 1.04%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
/Skin: Basal Cell Carcinoma								
		0/50 (0%)		1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	· · · ·	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/299 (1.34%)	Mean 1.33%	SD 2.42%	Total	0/300 (0%)	Mean 0%	SD 0%
fSkin: Basal Cell Carcinoma or	Basosquamo	0/50 (0%)	0/50 (0%)	1/50 (2%) 3/50 (6%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Basal Cell Carcinoma or		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	3/50 (6%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Basal Cell Carcinoma or Overall Incidence #Skin:	Total	0/50 (0%) 0/50 (0%) 4/299 (1.34%)	0/50 (0%) 0/49 (0%) Mean 1.33%	3/50 (6%) SD 2.42%	Total		()	()
Basal Cell Carcinoma or Overall Incidence #Skin: Basal Cell Carcinoma, Ba	Total asal Cell Aden	0/50 (0%) 0/50 (0%) 4/299 (1.34%)	0/50 (0%) 0/49 (0%) Mean 1.33%	3/50 (6%) SD 2.42%	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
Basal Cell Carcinoma or Overall Incidence #Skin:	Total asal Cell Aden	0/50 (0%) 0/50 (0%) 4/299 (1.34%)	0/50 (0%) 0/49 (0%) Mean 1.33% Tumor (benign, maligna	3/50 (6%) SD 2.42%	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
Basal Cell Carcinoma or Overall Incidence #Skin: Basal Cell Carcinoma, Ba	Total asal Cell Aden	0/50 (0%) 0/50 (0%) 4/299 (1.34%)	0/50 (0%) 0/49 (0%) Mean 1.33% Tumor (benign, maligna 1/50 (2%)	3/50 (6%) SD 2.42%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Basal Cell Carcinoma or Overall Incidence #Skin: Basal Cell Carcinoma, Basal Cell Carcinoma, Basal Cell Carcinoma, Basal NOS), or Trichoepithelion	Total asal Cell Aden ma	0/50 (0%) 0/50 (0%) 4/299 (1.34%) 00ma, Basosquamous 0/50 (0%) 1/50 (2%) 8/299 (2.68%)	0/50 (0%) 0/49 (0%) Mean 1.33% Tumor (benign, maligna 1/50 (2%) 1/49 (2%) Mean 2.67%	3/50 (6%) SD 2.42% ant or 1/50 (2%) 4/50 (8%) SD 2.73%	Total	0/50 (0%) 0/300 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%)
Basal Cell Carcinoma or Overall Incidence KSkin: Basal Cell Carcinoma, Basal Cell Carcinoma, Basal NOS), or Trichoepithelion	Total asal Cell Aden ma	0/50 (0%) 0/50 (0%) 4/299 (1.34%) 00ma, Basosquamous 0/50 (0%) 1/50 (2%) 8/299 (2.68%)	0/50 (0%) 0/49 (0%) Mean 1.33% Tumor (benign, maligna 1/50 (2%) 1/49 (2%) Mean 2.67%	3/50 (6%) SD 2.42% ant or 1/50 (2%) 4/50 (8%) SD 2.73%	Total	0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%) 1/50 (2%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)
Basal Cell Carcinoma or Overall Incidence #Skin: Basal Cell Carcinoma, Basal Cell Carcinoma, Basal Cell Carcinoma, Basal NOS), or Trichoepithelion	Total asal Cell Aden ma Total oma, Carcinon	0/50 (0%) 0/50 (0%) 4/299 (1.34%) ooma, Basosquamous 0/50 (0%) 1/50 (2%) 8/299 (2.68%)	0/50 (0%) 0/49 (0%) Mean 1.33% Tumor (benign, maligna 1/50 (2%) 1/49 (2%) Mean 2.67% or B), Basal Cell Adeno	3/50 (6%) SD 2.42% ant or 1/50 (2%) 4/50 (8%) SD 2.73%	Total	0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%) 1/50 (2%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)
Basal Cell Carcinoma or Overall Incidence Skin: Basal Cell Carcinoma, Basal Cell Carcinoma, Basal Cell Carcinoma, Basal Cell Carcinoma, Basal or Sq. Cell Carcino	Total asal Cell Aden ma Total oma, Carcinon	0/50 (0%) 0/50 (0%) 4/299 (1.34%) ooma, Basosquamous 0/50 (0%) 1/50 (2%) 8/299 (2.68%) ma, Basosq. Tumor (Meratoacanthoma, Trick 1/50 (2%)	0/50 (0%) 0/49 (0%) Mean 1.33% Tumor (benign, maligna 1/50 (2%) 1/49 (2%) Mean 2.67% or B), Basal Cell Adeno oepithelioma 5/50 (10%)	3/50 (6%) SD 2.42% ant or 1/50 (2%) 4/50 (8%) SD 2.73% ma, 1/50 (2%)	Total	0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%) 1/50 (2%)	0/50 (0%) Mean 0% 0/50 (0%) 1/50 (2%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0.82% 1/50 (2%)
Basal Cell Carcinoma or Overall Incidence Skin: Basal Cell Carcinoma, Basal Cell Carcinoma, Basal Cell Carcinoma, Basal Cell Carcinoma, Basal or Sq. Cell Carcino	Total asal Cell Aden ma Total oma, Carcinon	0/50 (0%) 0/50 (0%) 4/299 (1.34%) ooma, Basosquamous 0/50 (0%) 1/50 (2%) 8/299 (2.68%) na, Basosq. Tumor (Meratoacanthoma, Trick	0/50 (0%) 0/49 (0%) Mean 1.33% Tumor (benign, maligna 1/50 (2%) 1/49 (2%) Mean 2.67% or B), Basal Cell Adeno oepithelioma 5/50 (10%)	3/50 (6%) SD 2.42% ant or 1/50 (2%) 4/50 (8%) SD 2.73% ma,	Total	0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0% 0/50 (0%) 1/50 (2%) Mean 0.33%	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skin: Fibroma								
		3/50 (6%)	3/50 (6%)	1/50 (2%)		2/50 (4%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	4/50 (8%) 17/299 (5.69%)	3/49 (6%) Mean 5.69%	3/50 (6%) SD 1.97%	Total	1/50 (2%) 5/300 (1.67%)	1/50 (2%) Mean 1.67%	0/50 (0%) SD 1.51%
#Skin:								
Fibroma, Fibrosarcoma, S	Sarcoma, My	koma, Myxosarcoma, or F	Fibrous Histiocytoma					
· · ·		3/50 (6%)	3/50 (6%)	2/50 (4%)		2/50 (4%)	1/50 (2%)	1/50 (2%)
		5/50 (10%)	4/49 (8%)	6/50 (12%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	23/299 (7.69%)	Mean 7.69%	SD 2.95%	Total	7/300 (2.33%)	Mean 2.33%	SD 1.51%
#Skin: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	5/299 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin: Fibrosarcoma, Sarcoma,								
	,	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		1/50 (2%)	1/49 (2%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	6/299 (2.01%)	Mean 2.01%	SD 2.19%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
#Skin: Fibrous Histiocytoma								
-		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

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			Male				Female	
≭Skin: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		()				()		
Skin: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma								
		0/50 (0%)	4/50 (8%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
		1/50 (2%)	4/49 (8%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	10/299 (3.34%)	Mean 3.36%	SD 3.77%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
∕Skin: Lipoma								
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/299 (1.67%)	Mean 1.68%	SD 1.99%	Total	0/300 (0%)	Mean 0%	SD 0%
≇Skin: Liposarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Vehicle: AIR

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skin: Neural Crest Tumor								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/299 (0.33%)	0/49 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
#Skin: Neural Crest Tumor, Ma								
	ignan	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Neurofibroma or Schwa	nnoma benign	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or S		nalignant or NOS)						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Neเ	urofibroma, or \$	Schwannoma (benign, n	nalignant or NOS)					
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)	0/50 (0%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/30 (0%)	1/49 (2%)	1/30 (2%)		0/00 (0%)	0/00 (0%)	0/30 (0%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
ŧSkin: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
≭Skin: Schwannoma Benign								
_		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
≭Skin: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.04%	Total	0/300 (0%)	Mean 0%	SD 0%
≭Skin: Squamous Cell Carcinoma								
-		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
≭Skin: Squamous Cell Carcinoma, or Carcinoma	Basal Cell	Carcinoma, Basosqua	nous Tumor (malignan	t or NOS),				
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	5/299 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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				Ma	ale						F	emale		
#Skin:														
Squamous Cell Papillo	oma													
			(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
			(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299 (0%)		Mean 0%	6	SD 0%		Total	0/300 (0%)	Mea	an 0%	SD	0%
≭Skin: Squamous Cell Papillo	ma or Panillom:													
			(0%)	0/50 ((0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
			(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/299 (0%)	()	Mean 0%	· · /	SD 0%	(2,2)	Total	0/300 (()		an 0%	SD	()
					•••••	•••••					•••••			
#Skin: Squamous Cell Papillo	oma, Papilloma, S	1/50	(2%)	4/50 (anthoma (8%) (8%)	0/50 1/50	(0%) (2%)		1/50 0/50	(2%) (0%)	0/50 0/50	(0%) (0%)	1/50 1/50	(2%) (2%)
Overall Incidence	Total	1/50 1/50 11/299 (3.68%	(2%) (2%) %)	4/50 (4/49 (Mean 3.69	(8%) (8%) 9%	1/50 SD 3.49%	(2%) %	Total	0/50 3/300 ((0%)	0/50	()	1/50 1/50 SD 2	(2%)
Squamous Cell Papillo	Total	1/50 1/50 11/299 (3.68%	(2%) (2%) %)	4/50 (4/49 (Mean 3.69	(8%) (8%) 9%	1/50 SD 3.49%	(2%) %		0/50 3/300 ((0%)	0/50	(0%)	1/50	(2%)
Squamous Cell Papillo Overall Incidence #Skin:	Total	1/50 1/50 11/299 (3.68% or Keratoacantho 0/50	(2%) (2%) %) •••••••••••••••••••••••••••••••••	4/50 (4/49 (Mean 3.69 4/50 ((8%) (8%) 3% (8%)	1/50 SD 3.49% 0/50	(2%) 		0/50 3/300 (1/50	(0%) 1%) 	0/50 Mea 0/50	(0%) an 1% (0%)	1/50 SD 1/50	(2%) 1.1% (2%)
Squamous Cell Papillo Overall Incidence #Skin:	Total	1/50 1/50 11/299 (3.68% or Keratoacantho 0/50	(2%) (2%) %)	4/50 (4/49 (Mean 3.69 4/50 ((8%) (8%) 9%	1/50 SD 3.49%	(2%) %		0/50 3/300 ((0%) 1%)	0/50 Mea	(0%) an 1%	1/50 SD -	(2%) 1.1%
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo	Total	1/50 1/50 11/299 (3.68% or Keratoacantho 0/50	(2%) (2%) %) (0%) (2%)	4/50 (4/49 (Mean 3.69 4/50 ((8%) (8%))% 	1/50 SD 3.49% 0/50	(2%) (0%) (2%)		0/50 3/300 (1/50	(0%) 1%) 	0/50 Mea 0/50 0/50	(0%) an 1% (0%)	1/50 SD 1/50 0/50	(2%) 1.1% (2%)
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence	Total oma, Papilloma, d	1/50 1/50 11/299 (3.68% or Keratoacantho 0/50 1/50	(2%) (2%) %) (0%) (2%)	4/50 (4/49 (Mean 3.69 4/50 (4/49 ((8%) (8%))% 	1/50 SD 3.49% 0/50 1/50	(2%) (0%) (2%)		0/50 3/300 (1/50 0/50	(0%) 1%) 	0/50 Mea 0/50 0/50	(0%) an 1% (0%) (0%)	1/50 SD 1/50 0/50	(2%) 1.1% (2%) (0%)
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence #Skin:	Total oma, Papilloma, d	1/50 1/50 11/299 (3.68% or Keratoacantho 0/50 1/50 10/299 (3.34%	(2%) (2%) %) (0%) (2%)	4/50 (4/49 (Mean 3.69 4/50 (4/49 (Mean 3.36	(8%) (8%))% 	1/50 SD 3.49% 0/50 1/50	(2%) (0%) (2%)		0/50 3/300 (1/50 0/50	(0%) 1%) 	0/50 Mea 0/50 0/50	(0%) an 1% (0%) (0%)	1/50 SD 1/50 0/50	(2%) 1.1% (2%) (0%)
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence #Skin:	Total oma, Papilloma, d	1/50 1/50 11/299 (3.68% or Keratoacantho 0/50 1/50 10/299 (3.34% 0/50	(2%) (2%) %) (0%) (0%) (2%) %)	4/50 (4/49 (Mean 3.69 4/50 (4/49 (Mean 3.36	(8%) (8%) 9% (8%) (8%) 5%	1/50 SD 3.49% 0/50 1/50 SD 3.77%	(2%) 6 (0%) (2%) 6		0/50 3/300 (1/50 0/50 2/300 (0	(0%) 1%) (2%) (0%) .67%)	0/50 Mea 0/50 0/50 Mean	(0%) an 1% (0%) (0%) 0.67%	1/50 SD 1/50 0/50 SD 1	(2%) 1.1% (2%) (0%) .03%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skin: Sebaceous Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 1/49 (2%)	1/50 (2%) 2/50 (4%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma or Adenoma								
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	1/49 (2%)	2/50 (4%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%	Total	0/300 (0%)	Mean 0%	SD 0%
#Spinal Cord: Astrocytoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		0/299 (076)						
#Spinal Cord: Astrocytoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T ()	0/50 (0%)	0/49 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Spinal Cord: Glioma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall In siden as	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
*Spleen: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Spleen: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Spleen: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
*Spleen: Leiomyosarcoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
Spleen: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Stomach, Forestomach: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Squamous Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach:		- 0						
Squamous Cell Carcinoma	Total	0/50 (0%) 0/50 (0%) 0/299 (0%)	0/50 (0%) 0/49 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%
	Total	0/50 (0%) 0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%		0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%)
Squamous Cell Carcinoma Overall Incidence #Stomach, Forestomach:	Total	0/50 (0%) 0/50 (0%) 0/299 (0%) 0/50 (0%)	0/49 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%)
Squamous Cell Carcinoma Overall Incidence #Stomach, Forestomach: Squamous Cell Papilloma	Total	0/50 (0%) 0/50 (0%) 0/299 (0%) 0/50 (0%) 0/50 (0%)	0/49 (0%) Mean 0% 0/50 (0%) 0/49 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)
Squamous Cell Carcinoma Overall Incidence #Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence	Total Total	0/50 (0%) 0/50 (0%) 0/299 (0%) 0/50 (0%)	0/49 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%)
Squamous Cell Carcinoma Overall Incidence #Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence	Total Total	0/50 (0%) 0/50 (0%) 0/299 (0%) 0/50 (0%) 0/50 (0%)	0/49 (0%) Mean 0% 0/50 (0%) 0/49 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)
Squamous Cell Carcinoma Overall Incidence #Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence #Stomach, Glandular:	Total Total	0/50 (0%) 0/50 (0%) 0/299 (0%) 0/50 (0%) 0/299 (0%) 0/50 (0%)	0/49 (0%) Mean 0% 0/50 (0%) 0/49 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)
Squamous Cell Carcinoma Overall Incidence #Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence #Stomach, Glandular:	Total Total	0/50 (0%) 0/50 (0%) 0/299 (0%) 0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0% 0/50 (0%) 0/49 (0%) Mean 0%	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0%		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
*Stomach, Glandular: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
∕Stomach, Glandular: Lipoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
'Testes: Adenoma								
		34/50 (68%)	36/50 (72%)	36/50 (72%				
		33/50 (66%)	38/49 (78%)	29/50 (58%)			
Overall Incidence	Total	206/299 (68.9%)	Mean 68.93%	SD 6.66%				
'Testes: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%				
		0/50 (0%)	0/49 (0%)	0/50 (0%)			
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%				

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
⁺Thymus: Thymoma Benign								
		0/43 (0%) 0/42 (0%)	0/49 (0%) 1/47 (2%)	0/44 (0%) 0/47 (0%)		1/46 (2%) 1/50 (2%)	0/48 (0%) 0/46 (0%)	0/48 (0%) 0/44 (0%)
Overall Incidence	Total	1/272 (0.37%)	Mean 0.35%	SD 0.87%	Total	2/282 (0.71%)	Mean 0.7%	SD 1.08%
Thymus: Thymoma Malignant								
- •		0/43 (0%)	0/49 (0%)	0/44 (0%)		0/46 (0%)	0/48 (0%)	0/48 (0%)
		0/42 (0%)	0/47 (0%)	0/47 (0%)		0/50 (0%)	0/46 (0%)	0/44 (0%)
Overall Incidence	Total	0/272 (0%)	Mean 0%	SD 0%	Total	0/282 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS								
		0/43 (0%)	0/49 (0%)	0/44 (0%)		0/46 (0%)	0/48 (0%)	1/48 (2%)
		0/42 (0%)	0/47 (0%)	0/47 (0%)		0/50 (0%)	0/46 (0%)	0/44 (0%)
Overall Incidence	Total	0/272 (0%)	Mean 0%	SD 0%	Total	1/282 (0.35%)	Mean 0.35%	SD 0.85%
*Thymus: Thymoma: Benign, Maligna								
		0/43 (0%)	0/49 (0%)	0/44 (0%)		1/46 (2%)	0/48 (0%)	1/48 (2%)
		0/42 (0%)	1/47 (2%)	0/47 (0%)		1/50 (2%)	0/46 (0%)	0/44 (0%)
Overall Incidence	Total	1/272 (0.37%)	Mean 0.35%	SD 0.87%	Total	3/282 (1.06%)	Mean 1.04%	SD 1.14%
*Thyroid Gland: C-Cell: Adenoma								
		5/50 (10%)	3/50 (6%)	7/50 (14%)		3/50 (6%)	3/50 (6%)	4/50 (8%)
		3/49 (6%)	4/49 (8%)	5/50 (10%)		2/50 (4%)	3/50 (6%)	3/50 (6%)
Overall Incidence	Total	27/298 (9.06%)	Mean 9.05%	SD 3%	Total	18/300 (6%)	Mean 6%	SD 1.26%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
*Thyroid Gland: C-Cell: Carcinoma								
		4/50 (8%) 0/49 (0%)	1/50 (2%) 3/49 (6%)	1/50 (2%) 2/50 (4%)		1/50 (2%) 1/50 (2%)	0/50 (0%) 2/50 (4%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	11/298 (3.69%)	Mean 3.69%	SD 2.96%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%
Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		9/50 (18%)	3/50 (6%)	8/50 (16%)		4/50 (8%)	3/50 (6%)	4/50 (8%)
Overall Incidence	Total	3/49 (6%) 36/298 (12.08%)	7/49 (14%) Mean 12.07%	6/50 (12%) SD 5.05%	Total	3/50 (6%) 22/300 (7.33%)	5/50 (10%) Mean 7.33%	3/50 (6%) SD 1.63%
		()				· · · ·		
*Thyroid Gland: Follicular Cell: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/49 (0%) 1/298 (0.34%)	1/49 (2%) Mean 0.34%	0/50 (0%) SD 0.83%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		1/200 (0.0470)				()		
Thyroid Gland: Follicular Cell: Carcinoma								
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/49 (0%) 2/298 (0.67%)	0/49 (0%) Mean 0.67%	0/50 (0%) SD 1.63%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		2/290 (0.0770)				0/300 (078)		
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/49 (0%) 3/298 (1.01%)	1/49 (2%) Mean 1.01%	0/50 (0%) SD 1.68%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		3/230 (1.0178)				()		

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
≭Tissue NOS: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%
fTissue NOS: Paraganglioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall In siden as	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall In siden as	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Tongue: Squamous Cell Carcinoma (or Papillom	a Squamous						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
O	T . (.)	0/50 (0%)	0/49 (0%)	0/50 (0%)	T . (.)	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Tongue: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
O	T . (.)	0/50 (0%)	0/49 (0%)	0/50 (0%)	T . (.)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#Tooth:								
Adamantinoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
≭Tooth: Odontoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma or Papilloma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%
^t Urinary Bladder: Hemangiosarcoma								
-		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%
'Urinary Bladder: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR									Page: 184 Report Da	te: 03/20/20	010	
					Male						F	emale		
^t Urinary Bladder: Papilloma		0/50	(00())	0/50	(00())	4/50	(00())		0/50	(00())	0/50	(00()	0/50	(0)()
		0/50 0/50	(0%) (0%)	0/50 0/49	(0%) (0%)	1/50 0/50	(2%) (0%)		0/50 0/50	(0%) (0%)	0/50 0/49	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence	Total	1/299 (0.3	3%)	Mean C	. ,	SD 0.829		Total	0/299 (. ,		an 0%	SD	
Uterus: Adenoma														
Adenoma									0/50	(0%)	0/50	(0%)	1/50	(2%)
									0/50	(0%)	0/50	(0%)	1/50	(2%)
verall Incidence								Total	2/300 (0	.67%)	Mean	0.67%	SD 1	.03%
Uterus: Carcinoma														
									0/50	(0%)	0/50	(0%)	0/50	(0%)
									0/50	(0%)	0/50	(0%)	1/50	(2%)
verall Incidence								Total	1/300 (0	.33%)	Mean	0.33%	SD 0	.82%
Uterus: Deciduoma Benign														
-									0/50	(0%)	0/50	(0%)	0/50	(0%)
									0/50	(0%)	0/50	(0%)	0/50	(0%)
verall Incidence								Total	0/300 (0%)	Mea	an 0%	SD	0%
Uterus: Hemangioma														
									0/50	(0%)	0/50	(0%)	0/50	(0%)
www.ll.lu.aidau.a.a								Tatal	1/50	(2%)	0/50	(0%)	0/50	(0%)
Verall Incidence								Total	1/300 (0	.33%)	Mean	0.33%	SD 0	.82%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR	Page: 185 Report Da	te: 03/20/2010	
	Male		Female	
#Uterus:				
Hemangiosarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Uterus: Leiomyosarcoma				
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%
¢Uterus: Polyp Stromal		8/50 (16%)	13/50 (26%)	8/50 (16%)
		6/50 (12%)	12/50 (24%)	6/50 (12%)
Overall Incidence	Total	53/300 (17.67%)	Mean 17.67%	SD 5.99%
Uterus:				
Sarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%
#Uterus: Sarcoma Stromal				
		2/50 (4%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 3/300 (1%)	0/50 (0%) Mean 1%	0/50 (0%) SD 1.67%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			ogy Data Management ince for Selected Control A Route: INHALATION Vehicle: AIR		Page: 186 Report Dat	e: 03/20/2010	
		Male				Female	
Uterus: Sarcoma Stromal or Polyp Stroma	1						
Sarconia Scioniai or Polyp Scionia					10/50 (20%)	14/50 (28%)	8/50 (16%)
Overall Incidence				Total	6/50 (12%) 56/300 (18.67%)	12/50 (24%) Mean 18.67%	6/50 (12%) SD 6.53%
Uterus:							
Schwannoma Malignant					0/50 (0%)	0/50 (00/)	0/50 (0%)
					0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence				Total	0/300 (0%)	Mean 0%	SD 0%
Vagina:							
Polyp					0/50 (0%)	2/50 (4%)	0/50 (0%)
					0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence				Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%
Vagina:							
Sarcoma							0/50 (00()
					1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence				Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Zymbal's Gland: Adenoma							
	0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence Tota	l 2/299 (0.67%)	Mean 0.67%	SD 1.63%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
≠Zymbal's Gland: Carcinoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%	Total	3/300 (1%)	Mean 1%	SD 1.1%
#Zymbal's Gland: Carcinoma or Adenoma								
		0/50 (0%)	1/50 (2%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/299 (1%)	Mean 1%	SD 1.67%	Total	3/300 (1%)	Mean 1%	SD 1.1%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

		-		Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Southern Research Institute	059902703	08/12/02	729	50(3)	37(705)	452.8	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	08/05/02	729	50(3)	33(703)	510.0	Cresols
Southern Research Institute	059900705	04/21/03	729	50(3)	33(679)	460.9	Goldenseal root powder
Southern Research Institute	052000803	03/04/03	729	50(3)	36(704)	452.1	Milk thistle extract
					Female		
Southern Research Institute	059902703	08/12/02	733	50(5)	36(702)	314.7	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	N/A	N/A	0(0)	0(0)	N/A	Cresols
Southern Research Institute	059900705	04/21/03	731	50(5)	30(699)	326.0	Goldenseal root powder
Southern Research Institute	052000803	03/04/03	732	50(5)	38(693)	328.4	Milk thistle extract

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#All Organs: Benign Tumors								
		49/50 (98%) 50/50 (100%)	50/50 (100%)	47/50 (94%)		45/50 (90%) 39/50 (78%)		46/50 (92%)
Overall Incidence	Total	196/200 (98%)	Mean 98%	SD 2.83%	Total	130/150 (86.67%)	Mean 86.67%	SD 7.57%
#All Organs: Malignant Tumors								
		27/50 (54%) 26/50 (52%)	23/50 (46%)	29/50 (58%)		15/50 (30%) 18/50 (36%)		19/50 (38%)
Overall Incidence	Total	105/200 (52.5%)	Mean 52.5%	SD 5%	Total	52/150 (34.67%)	Mean 34.67%	SD 4.16%
#All Organs: Malignant and Benign Ti	umors	50/50 (100%) 50/50 (100%)	50/50 (100%)	50/50 (100%)		47/50 (94%) 46/50 (92%)		48/50 (96%)
Overall Incidence	Total	200/200 (100%)	Mean 100%	SD 0%	Total	141/150 (94%)	Mean 94%	SD 2%
#All Organs: Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/50 (2%) 1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/50 (0%) 0/150 (0%)	Mean 0%	SD 0%
#All Organs: Hemangiosarcoma								
		2/50 (4%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#All Organs: Hemangiosarcoma or He	mangioma							
-	-	2/50 (4%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Histiocytic Sarcoma								
		0/50 (0%) 3/50 (6%)	0/50 (0%)	0/50 (0%)		1/50 (2%) 0/50 (0%)		1/50 (2%)
Overall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 3%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
#All Organs: Leukemia: Erythrocytic								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#All Organs: Leukemia: Lymphocytic,	Monocytic, M	ononuclear, or Undifferer	ntiated					
		19/50 (38%) 17/50 (34%)	15/50 (30%)	21/50 (42%)		9/50 (18%) 6/50 (12%)		9/50 (18%)
Overall Incidence	Total	72/200 (36%)	Mean 36%	SD 5.16%	Total	24/150 (16%)	Mean 16%	SD 3.46%
#All Organs: Malignant Lymphoma: Hi	stiocytic, Lym	phocytic, Mixed, NOS, o	Undifferentiated Cel	І Туре				
5 7	<u> </u>	0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#All Organs: Mesothelioma: Benign								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
All Organs: Mesothelioma: Benign, Mal								
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Malignant								
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
≮All Organs: Osteoma								
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
≮All Organs: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#All Organs: Osteosarcoma or Osteoma	1							
		0/50 (0%) 1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%
Adrenal Cortex: Adenoma								
		0/50 (0%) 2/50 (4%)	0/50 (0%)	0/50 (0%)		2/50 (4%) 0/48 (0%)		1/50 (2%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 2%	Total	3/148 (2.03%)	Mean 2%	SD 2%
Adrenal Cortex: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/48 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Ganglioneuroma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/48 (0%)		0/48 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/48 (0%)		0/48 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Adrenal Medulla: Pheochromocytoma Be	nign						Female 0/48 (0%) Mean 1.36% SD 1.18% 0/48 (0%) 0/48 (0%) Mean 0.69% SD 1.2% 0/48 (0%) 0/48 (0%) Mean 1.33% SD 2.31% 0/48 (0%) 0/48 (0%) Mean 3.39% SD 3.07%	
		8/50 (16%) 5/50 (10%)	8/50 (16%)	5/49 (10%)		1/50 (2%) 1/48 (2%)		0/48 (0%)
Overall Incidence	Total	26/199 (13.07%)	Mean 13.05%	SD 3.41%	Total	2/146 (1.37%)		
Adrenal Medulla: Pheochromocytoma Co								
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 1/48 (2%)		0/48 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/146 (0.68%)		
Adrenal Medulla: Pheochromocytoma Ma								
		3/50 (6%) 0/50 (0%)	0/50 (0%)	1/49 (2%)		2/50 (4%) 0/48 (0%)		0/48 (0%)
Overall Incidence	Total	4/199 (2.01%)	Mean 2.01%	SD 2.83%	Total	2/146 (1.37%)	Mean 1.33%	SD 2.31%
Adrenal Medulla: Pheochromocytoma: Be								
		11/50 (22%) 6/50 (12%)	8/50 (16%)	6/49 (12%)		3/50 (6%) 2/48 (4%)		0/48 (0%)
Overall Incidence	Total	31/199 (15.58%)	Mean 15.56%	SD 4.67%	Total	5/146 (3.42%)	Mean 3.39%	SD 3.07%
#Bone: Chondrosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Bone: Chondrosarcoma or Chondi	roma							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Chordoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Osteoma								
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma or Osteoma								
		0/50 (0%) 1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Brain: Astrocytoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Ependymoma Benign								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Ependymoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Glioma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Granular Cell Tumor Benigr	ייייי ו							
-		2/50 (4%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	2/199 (1.01%)	Mean 1%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Brain: Medulloblastoma Mal								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
'Brain: Oligodendroglioma Benig								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Maligr								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 1/50 (2%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Brain: Oligodendroglioma, Gliom								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 1/50 (2%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Brain: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Brain: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Adenoma								
		1/50 (2%) 1/50 (2%)	5/50 (10%)	0/50 (0%)		10/50 (20%) 11/50 (22%)		5/50 (10%)
Overall Incidence	Total	7/200 (3.5%)	Mean 3.5%	SD 4.43%	Total	26/150 (17.33%)	Mean 17.33%	SD 6.43%
Clitoral/Preputial Gland: Carcinoma								
		0/50 (0%) 2/50 (4%)	0/50 (0%)	2/50 (4%)		0/50 (0%) 3/50 (6%)		4/50 (8%)
Overall Incidence	Total	4/200 (2%)	Mean 2%	SD 2.31%	Total	7/150 (4.67%)	Mean 4.67%	SD 4.16%
Clitoral/Preputial Gland: Carcinoma or Adenoma								
		1/50 (2%) 3/50 (6%)	5/50 (10%)	2/50 (4%)		10/50 (20%) 14/50 (28%)		9/50 (18%)
Overall Incidence	Total	11/200 (5.5%)	Mean 5.5%	SD 3.42%	Total	33/150 (22%)	Mean 22%	SD 5.29%
Clitoral/Preputial Gland: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Clitoral/Preputial Gland: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Ear: Neural Crest Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Esophagus: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Esophagus: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
∉Eye: Melanoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Eye: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Heart: Schwannoma Benign								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Heart: Schwannoma Malignant								
		1/50 (2%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		1/50 (2%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories

Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Intestine Large: Colon/Re Adenoma	ectum:							
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Re Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Re Carcinoma or Adenoma		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/50 (0%) 0/150 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Re Hemangioma								
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenu Carcinoma	ım:							
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Intestine Small: Duodenu Leiomyoma	m:							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Granular Cell Tumor Mal								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyoma								
-		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Intestine Small: Jejunum Leiomyosarcoma	:							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fIntestine Small: Site Uns Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Carcinoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Carcinoma or Adenoma	pecified:							
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Granular Cell Tumor Ma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Intestine Small: Site Unspec Leiomyoma	cified:							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Site Unspection Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
'Islets, Pancreatic: Adenoma								
		1/50 (2%) 3/50 (6%)	1/49 (2%)	7/50 (14%)		2/49 (4%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	12/199 (6.03%)	Mean 6.01%	SD 5.65%	Total	2/146 (1.37%)	Mean 1.36%	SD 2.36%
Islets, Pancreatic: Carcinoma								
		1/50 (2%) 1/50 (2%)	1/49 (2%)	0/50 (0%)		0/49 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	0/146 (0%)	Mean 0%	SD 0%
Islets, Pancreatic: Carcinoma or Adenoma								
		2/50 (4%) 4/50 (8%)	2/49 (4%)	7/50 (14%)		2/49 (4%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	15/199 (7.54%)	Mean 7.52%	SD 4.71%	Total	2/146 (1.37%)	Mean 1.36%	SD 2.36%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Kidney: Pelvis and Trans Carcinoma	sitional Epitheliu	ım:						
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/144 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Trans Carcinoma or Adenoma	sitional Epitheliu							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/144 (0%)	Mean 0%	SD 0%
*Kidney: Pelvis and Trans Papilloma		ım:				0/47 (00/)		0/40 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Kidney: Renal Tubule: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Mesenchymal Tumor Be	nign							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Mesenchymal Tumor Ma	lignant							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Kidney: Renal Tubule: Nephroblastoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%) 0/48 (0%)		1/49 (2%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.68%	SD 1.18%
Liver: Cholangioma								
		1/50 (2%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Liver: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Adenoma								
		1/50 (2%) 3/50 (6%)	0/50 (0%)	1/50 (2%)		2/50 (4%) 2/50 (4%)		0/50 (0%)
Overall Incidence	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Liver: Hepatocellular Carcinom	a							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinom								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcinom Overall Incidence	a or Hepatoce Total	Ilular Adenoma 1/50 (2%) 3/50 (6%) 5/200 (2.5%)	0/50 (0%) Mean 2.5%	1/50 (2%) SD 2.52%	Total	2/50 (4%) 2/50 (4%) 4/150 (2.67%)	Mean 2.67%	0/50 (0%) SD 2.31%
Liver: Hepatocellular Carcinom	a Hanatacallu	ular Adonoma, or Honato	blastoma					
	a, nepatocellu	1/50 (2%)	0/50 (0%)	1/50 (2%)		2/50 (4%) 2/50 (4%)		0/50 (0%)
		3/50 (6%)				2/00 (1/0)		
Overall Incidence	Total	3/50 (6%) 5/200 (2.5%)	Mean 2.5%	SD 2.52%	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%
	Total	5/200 (2.5%)			Total	4/150 (2.67%)	Mean 2.67%	
Overall Incidence 'Liver: Ito Cell Tumor Benign	Total	()	Mean 2.5% 0/50 (0%)	SD 2.52% 0/50 (0%)	Total	()	Mean 2.67%	SD 2.31% 0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
[•] Lung: Alveolar/Bronchiolar A	denoma							
		0/50 (0%) 1/50 (2%)	1/50 (2%)	0/50 (0%)		1/50 (2%) 0/50 (0%)		1/50 (2%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
Lung: Alveolar/Bronchiolar Ca	arcinoma							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 1/50 (2%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Lung: Alveolar/Bronchiolar Ca	arcinoma or Alv	reolar/Bronchiolar Adeno 0/50 (0%) 1/50 (2%)	ma 1/50 (2%)	1/50 (2%)		1/50 (2%) 1/50 (2%)		1/50 (2%)
Overall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	3/150 (2%)	Mean 2%	SD 0%
'Lung: Fibrosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Lung: Hemangiosarcoma								- /= //)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
⁻ Lung: Squamous Cell Carcinoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
Lymph Node: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Verall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Mammary Gland: Adenolipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Mammary Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%) 0/50 (0%)		2/50 (4%)
Verall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	3/150 (2%)	Mean 2%	SD 2%
Mammary Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 4/50 (8%)		4/50 (8%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	8/150 (5.33%)	Mean 5.33%	SD 4.62%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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Length of Study: CHRONIC

			Male				Female	
Mammary Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%) 4/50 (8%)		6/50 (12%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	11/150 (7.33%)	Mean 7.33%	SD 5.03%
Mammary Gland: Fibroadenoma								
		2/50 (4%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		29/50 (58%) 28/50 (56%)		30/50 (60%)
Overall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	87/150 (58%)	Mean 58%	SD 2%
≉Mammary Gland: Fibroma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Mammary Gland: Fibroma, Fibroadenoma or	Adenoma							
		2/50 (4%) 0/50 (0%)	1/50 (2%)	1/50 (2%)		30/50 (60%) 28/50 (56%)		30/50 (60%)
Overall Incidence	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	88/150 (58.67%)	Mean 58.67%	SD 2.31%
≇Mammary Gland: Fibroma, Fibroadenoma, C								
	·	2/50 (4%) 0/50 (0%)	1/50 (2%)	1/50 (2%)		30/50 (60%) 28/50 (56%)		31/50 (62%)
Overall Incidence	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	89/150 (59.33%)	Mean 59.33%	SD 3.06%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Mesentery: Fibrous Histiocytoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Mesentery: Hemangiosarcoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
έMesentery: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
Mesentery: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Nose: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
'Nose: Chondroma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Nose: Squamous Cell Carcin	oma							
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos Papilloma Squamous o Overall Incidence		ynx, Tooth, Gingiva): 1/50 (2%) 1/50 (2%) 3/200 (1.5%)	0/50 (0%) Mean 1.5%	1/50 (2%) SD 1%	Total	0/50 (0%) 0/50 (0%) 1/150 (0.67%)	Mean 0.67%	1/50 (2%) SD 1.15%
		· · · · · · · · · · · · · · · · · · ·				1/100 (0.0770)		
Oral Cavity (Oral Mucos Squamous Cell Carcin		ynx, Tooth, Gingiva):						
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucos Squamous Cell Carcin		ynx, Tooth, Gingiva): Squamous, or Papilloma						
-	•	1/50 (2%) 1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%) 0/50 (0%)		1/50 (2%)
		1/50 (270)				0/00 (0/0)		

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
≠Oral Mucosa: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
[‡] Oral Mucosa: Squamous Cell Papilloma						0/50 (00())		0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
'Ovary: Cystadenoma						0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence					Total	0/150 (0%)	Mean 0%	SD 0%
Ovary: Granulosa Cell Tumor Beni	gn							
	-					0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence					Total	0/150 (0%)	Mean 0%	SD 0%
Ovary: Granulosa Cell Tumor Malig	gnant							
						0/50 (0%) 2/50 (4%)		0/50 (0%)
Overall Incidence					Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010		Toxicolo	ogy Data Mai	nagement	Toxicology Data Management System					
Contract/Lab: All Laboratories			Tur			-	Animal Groups		Page: 214 Report Da	te: 03/20/2010
Species: RATS					Route: (ORAL				
Strain: F 344/N					Vehicle:	FEED				
Length of Study: CHRONIC										
				Male					Female	
*Ovary:	Malianant NOC									
Granulosa Cell Tumor: Benign,	Malignant, NOS							0/50 (0%)		0/50 (0%)
								2/50 (4%)		(0,0)
Overall Incidence							Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
*Ovary:										
Granulosa-Theca Tumor Benigr	I									
-								1/50 (2%)		0/50 (0%)
								0/50 (0%)	•• • • • • • •	00 / / 00/
Overall Incidence							Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Ovary:										
Granulosa-Theca Tumor Malign	ant									
								0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence							Total	0/50 (0%)	Mean 0%	SD 0%
*Ovary:										
Tubulostromal Adenoma								0/50 (00/)		0/50 (00/)
								0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence							Total	0/150 (0%)	Mean 0%	SD 0%
*D										
*Pancreas: Adenoma										
Adenoma	0/49) (0%)	0/49	(0%)	0/50	(0%)		0/49 (0%)		0/49 (0%)
	2/50	()		· · /		. /		0/48 (0%)		× /
Overall Incidence To	otal 2/198 (1	.01%)	Mean	1%	SD 2%		Total	0/146 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories

Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Pancreas: Carcinoma								
		0/49 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%) 0/48 (0%)		0/49 (0%)
verall Incidence	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%
Pancreas: Carcinoma or Adenoma								0/40 (0%)
		0/49 (0%) 2/50 (4%)	0/49 (0%)	0/50 (0%)		0/49 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	0/146 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Benign								
		0/49 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/146 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Malignant								
		0/49 (0%) 0/50 (0%)	0/49 (0%)	1/50 (2%)		0/49 (0%) 0/48 (0%)		0/49 (0%)
Overall Incidence	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/146 (0%)	Mean 0%	SD 0%
Parathyroid Gland: Adenoma								
		1/45 (2%) 0/50 (0%)	1/46 (2%)	0/49 (0%)		0/48 (0%) 0/49 (0%)		0/49 (0%)
Overall Incidence	Total	2/190 (1.05%)	Mean 1.1%	SD 1.27%	Total	0/146 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Pituitary Gland: Pars Di Adenoma	stalis or Unspec	ified Site:						
		10/50 (20%) 13/50 (26%)	20/50 (40%)	8/50 (16%)		24/49 (49%) 20/50 (40%)		25/50 (50%)
Overall Incidence	Total	51/200 (25.5%)	Mean 25.5%	SD 10.5%	Total	69/149 (46.31%)	Mean 46.33%	SD 5.5%
Pituitary Gland: Pars Di Carcinoma	stalis or Unspec	ified Site:						
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%) 1/50 (2%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/149 (1.34%)	Mean 1.35%	SD 1.17%
*Pituitary Gland: Pars Di Carcinoma or Adenom Overall Incidence		10/50 (20%) 13/50 (26%) 51/200 (25.5%)	20/50 (40%) Mean 25.5%	8/50 (16%) SD 10.5%	Total	25/49 (51%) 21/50 (42%) 71/149 (47.65%)	Mean 47.67%	25/50 (50%) SD 4.94%
				• • • • • • • • • • • • • • • • • • • •	•••••			
*Pituitary Gland: Pars Di Ganglioneuroma	stalis or Unspec	ified Site:						
*Pituitary Gland: Pars Di Ganglioneuroma	stalis or Unspec	cified Site: 0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%) 0/50 (0%)		0/50 (0%)
Ganglioneuroma	stalis or Unspec	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total		Mean 0%	0/50 (0%) SD 0%
Ganglioneuroma Overall Incidence	Total	0/50 (0%) 0/50 (0%)			Total	0/50 (0%)	Mean 0%	()
Ganglioneuroma Overall Incidence *Pituitary Gland: Pars In	Total	0/50 (0%) 0/50 (0%)			Total	0/50 (0%)	Mean 0%	()

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Pituitary Gland: Pars Interm Carcinoma or Adenoma	edia:							
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/149 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Nervos Craniopharyngioma								0(50 (00))
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
Prostate: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)				
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%				
Prostate: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)				
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%				
Salivary Glands: Carcinoma								
		0/50 (0%) 0/48 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Salivary Glands: Carcinoma or Adenoma								
		0/50 (0%) 0/48 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Salivary Glands: Sarcoma								
		0/50 (0%) 0/48 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Salivary Glands: Schwannoma Malignant								
		0/50 (0%) 0/48 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
∕Seminal Vesicle: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: Fibrous Histiocytoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Skeletal Muscle: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or F	-	0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma or B	asosquamous	Tumor Benign						
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Strain: F 344/N

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Skin: Basal Cell Adenoma, Bas	sosquamous T	umor Benign, or Trichoe	pithelioma					
,	•	1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		1/50 (2%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Basal Cell Carcinoma								
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%) SD 1%	Tatal	0/50 (0%) 0/50 (0%) 0/150 (0%)	Mean 0%	0/50 (0%) SD 0%
				CD 10/	T - 4 - 1	0/150 (00/)	Moon 0%	CD 00/
#Skin:	Total	1/200 (0.5%)	Mean 0.5%		Total	0/130 (0%)	Mean 0%	50 0%
#Skin: Basal Cell Carcinoma, Ba	asal Cell Aden	·····			I OTAI	0/150 (0%)		50 0%
#Skin:	asal Cell Aden	·····			i otai	0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0%	1/50 (2%)
NOS), or Trichoepithelior Overall Incidence	asal Cell Aden na Total	oma, Basosquamous Tur 1/50 (2%) 1/50 (2%) 2/200 (1%)	nor (benign, malignar 0/50 (0%) Mean 1%	nt or 0/50 (0%) SD 1.15%	Total	0/50 (0%)	Mean 0.67%	
#Skin: Basal Cell Carcinoma, Ba NOS), or Trichoepithelior Overall Incidence	asal Cell Aden ma Total oma. Carcinom	oma, Basosquamous Tur 1/50 (2%) 1/50 (2%) 2/200 (1%) a. Basosg, Tumor (M or I	nor (benign, malignar 0/50 (0%) Mean 1% 3). Basal Cell Adenon	nt or 0/50 (0%) SD 1.15%		0/50 (0%) 0/50 (0%)		1/50 (2%)
#Skin: Basal Cell Carcinoma, Ba NOS), or Trichoepithelior Overall Incidence #Skin: Basal or Sα. Cell Carcino	asal Cell Aden ma Total oma. Carcinom	oma, Basosquamous Tur 1/50 (2%) 1/50 (2%) 2/200 (1%) a. Basosg, Tumor (M or I	nor (benign, malignar 0/50 (0%) Mean 1% 3). Basal Cell Adenon	nt or 0/50 (0%) SD 1.15%		0/50 (0%) 0/50 (0%)		1/50 (2%)

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Skin: Fibroma								
		4/50 (8%) 3/50 (6%)	1/50 (2%)	5/50 (10%)		0/50 (0%) 1/50 (2%)		1/50 (2%)
Overall Incidence	Total	13/200 (6.5%)	Mean 6.5%	SD 3.42%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
#Skin:		oma, Myxosarcoma, or Fi						
		4/50 (8%) 4/50 (8%)	4/50 (8%)	5/50 (10%)		0/50 (0%) 1/50 (2%)		3/50 (6%)
Overall Incidence	Total	17/200 (8.5%)	Mean 8.5%	SD 1%	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%
#Skin: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%) 1/50 (2%)		0/50 (0%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin:		a, or Fibrous Histiocytoma						
		0/50 (0%) 1/50 (2%)	3/50 (6%)	0/50 (0%)		0/50 (0%) 1/50 (2%)		2/50 (4%)
Overall Incidence	Total	4/200 (2%)	Mean 2%	SD 2.83%	Total	3/150 (2%)	Mean 2%	SD 2%
#Skin: Fibrous Histiocytoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
≭Skin: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Skin: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Skin: Keratoacanthoma								
		3/50 (6%) 4/50 (8%)	1/50 (2%)	2/50 (4%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	10/200 (5%)	Mean 5%	SD 2.58%	Total	0/150 (0%)	Mean 0%	SD 0%
Skin: Lipoma								
		0/50 (0%) 1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
verall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
Skin: Liposarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Skin: Neural Crest Tumor								
		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		1/50 (2%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Neural Crest Tumor, M	alignant							
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Neurofibroma or Schw	annoma benign	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/200 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/150 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or	Schwannoma (m	alignant or NOS)						
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Ne	eurofibroma, or S	Schwannoma (benign, ma	alignant or NOS)					
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Skin: Sarcoma								
		0/50 (0%) 1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		2/50 (4%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
#Skin: Schwannoma Benign								- / />
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcinoma								
-		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Squamous Cell Carcinoma, or Carcinoma								
o, carononia		0/50 (0%) 2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)		0/50 (0%)
Overall Incidence	Total	2/200 (1%)	Mean 1%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Skin: Squamous Cell Papillo	ma							
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
≇Skin: Squamous Cell Papillo	ma or Papilloma	1						
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
	ma, Papilloma, S	Squamous Cell Carcinom 3/50 (6%)	a or Keratoacanthom 1/50 (2%)	a 2/50 (4%)		0/50 (0%)		0/50 (0%)
Squamous Cell Papillo	ma, Papilloma, S Total				Total	0/50 (0%) 1/50 (2%) 1/150 (0.67%)	Mean 0.67%	0/50 (0%) SD 1.15%
Squamous Cell Papillo Overall Incidence #Skin:	Total	3/50 (6%) 6/50 (12%) 12/200 (6%)	1/50 (2%)	2/50 (4%)	Total	1/50 (2%)	Mean 0.67%	()
#Skin: Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo	Total	3/50 (6%) 6/50 (12%) 12/200 (6%)	1/50 (2%)	2/50 (4%)	Total	1/50 (2%)	Mean 0.67%	()
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo	Total	3/50 (6%) 6/50 (12%) 12/200 (6%) or Keratoacanthoma 3/50 (6%)	1/50 (2%) Mean 6%	2/50 (4%) SD 4.32%	Total Total	1/50 (2%) 1/150 (0.67%) 0/50 (0%)	Mean 0.67% Mean 0%	SD 1.15%
Squamous Cell Papillo Overall Incidence #Skin:	Total ma, Papilloma, c	3/50 (6%) 6/50 (12%) 12/200 (6%) or Keratoacanthoma 3/50 (6%) 5/50 (10%) 11/200 (5.5%)	1/50 (2%) Mean 6% 1/50 (2%) Mean 5.5%	2/50 (4%) SD 4.32% 2/50 (4%) SD 3.42%		1/50 (2%) 1/150 (0.67%) 0/50 (0%) 0/50 (0%) 0/150 (0%)		SD 1.15% 0/50 (0%) SD 0%
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence #Skin:	Total ma, Papilloma, c	3/50 (6%) 6/50 (12%) 12/200 (6%) or Keratoacanthoma 3/50 (6%) 5/50 (10%)	1/50 (2%) Mean 6% 1/50 (2%)	2/50 (4%) SD 4.32% 2/50 (4%)		1/50 (2%) 1/150 (0.67%) 0/50 (0%) 0/50 (0%)		SD 1.15% 0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Skin: Sebaceous Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Skin: Sebaceous Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fSpinal Cord: Astrocytoma Benign								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Spinal Cord: Astrocytoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
∜Spinal Cord: Glioma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
Spleen: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%) 0/49 (0%)		0/49 (0%)
Overall Incidence	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%
Spleen: Fibrous Histiocytoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	1/49 (2%)		0/50 (0%) 0/49 (0%)		0/49 (0%)
Overall Incidence	Total	1/198 (0.51%)	Mean 0.51%	SD 1.02%	Total	0/148 (0%)	Mean 0%	SD 0%
Spleen: Hemangiosarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%) 0/49 (0%)		0/49 (0%)
Overall Incidence	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/148 (0%)	Mean 0%	SD 0%
Spleen: Leiomyosarcoma								
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%) 0/49 (0%)		0/49 (0%)
Overall Incidence	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/148 (0%)	Mean 0%	SD 0%
Spleen: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%) 0/49 (0%)		0/49 (0%)
Overall Incidence	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Stomach, Forestomach: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Squamous Cell Carcinoma o	or Papillom Total	a Squamous 0/50 (0%) 0/50 (0%) 0/200 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 1/150 (0.67%)	Mean 0.67%	1/50 (2%) SD 1.15%
*Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)
Overall Incidence	Total	0/50 (0%) 0/200 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Stomach, Glandular: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
*Stomach, Glandular: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Stomach, Glandular: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Stomach, Glandular: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Testes: Adenoma								
		46/50 (92%) 46/50 (92%)	49/50 (98%)	42/50 (84%)				
Overall Incidence	Total	183/200 (91.5%)	Mean 91.5%	SD 5.74%				
Testes: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%				

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories

Species: RATS Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
*Thymus: Thymoma Benign								
		0/48 (0%) 0/41 (0%)	0/47 (0%)	1/48 (2%)		0/46 (0%) 0/50 (0%)		0/49 (0%)
Overall Incidence	Total	1/184 (0.54%)	Mean 0.52%	SD 1.04%	Total	0/145 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant								
		0/48 (0%) 0/41 (0%)	0/47 (0%)	0/48 (0%)		0/46 (0%) 0/50 (0%)		0/49 (0%)
Overall Incidence	Total	0/184 (0%)	Mean 0%	SD 0%	Total	0/145 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS								
		0/48 (0%) 0/41 (0%)	0/47 (0%)	0/48 (0%)		0/46 (0%) 0/50 (0%)		0/49 (0%)
Overall Incidence	Total	0/184 (0%)	Mean 0%	SD 0%	Total	0/145 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malignant								
		0/48 (0%) 0/41 (0%)	0/47 (0%)	1/48 (2%)		0/46 (0%) 0/50 (0%)		0/49 (0%)
Overall Incidence	Total	1/184 (0.54%)	Mean 0.52%	SD 1.04%	Total	0/145 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma								
		5/50 (10%) 5/48 (10%)	6/50 (12%)	7/50 (14%)		3/49 (6%) 2/47 (4%)		4/50 (8%)
Overall Incidence	Total	23/198 (11.62%)	Mean 11.6%	SD 1.81%	Total	9/146 (6.16%)	Mean 6.13%	SD 1.87%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
*Thyroid Gland: C-Cell: Carcinoma								
		4/50 (8%) 1/48 (2%)	1/50 (2%)	1/50 (2%)		1/49 (2%) 0/47 (0%)		1/50 (2%)
Overall Incidence	Total	7/198 (3.54%)	Mean 3.52%	SD 2.99%	Total	2/146 (1.37%)	Mean 1.35%	SD 1.17%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		9/50 (18%) 6/48 (13%)	7/50 (14%)	8/50 (16%)		4/49 (8%) 2/47 (4%)		5/50 (10%)
Overall Incidence	Total	30/198 (15.15%)	Mean 15.12%	SD 2.39%	Total	11/146 (7.53%)	Mean 7.47%	SD 2.93%
*Thyroid Gland: Follicular Cell: Adenoma								
		2/50 (4%) 0/48 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%) 0/47 (0%)		0/50 (0%)
Overall Incidence	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	0/146 (0%)	Mean 0%	SD 0%
'Thyroid Gland: Follicular Cell: Carcinoma								
		0/50 (0%) 0/48 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%) 1/47 (2%)		0/50 (0%)
Overall Incidence	Total	0/198 (0%)	Mean 0%	SD 0%	Total	1/146 (0.68%)	Mean 0.71%	SD 1.23%
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
		2/50 (4%) 0/48 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%) 1/47 (2%)		0/50 (0%)
Overall Incidence	Total	2/198 (1.01%)	Mean 1%	SD 2%	Total	1/146 (0.68%)	Mean 0.71%	SD 1.23%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
≭Tissue NOS: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fTissue NOS: Paraganglioma								
		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/150 (0%)	Mean 0%	SD 0%
fTongue: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fTongue: Squamous Cell Carcinoma	a or Papillom	a Squamous						
		1/50 (2%) 1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		1/50 (2%)
Overall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
≭Tongue: Squamous Cell Papilloma								
		1/50 (2%) 1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)		1/50 (2%)
Overall Incidence	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED

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			Male				Female	
#Tooth: Adamantinoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
/Tooth: Odontoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Urinary Bladder: Carcinoma or Papilloma								
		0/50 (0%) 0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/150 (0%)	Mean 0%	SD 0%
Urinary Bladder: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Urinary Bladder: Leiomyosarcoma								
-		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED Male									Page: 234 Report Date: 03/20/2010			
											Female			
*Urinary Bladder: Papilloma		0/50	(0%)	1/49	(2%)	0/50	(0%)		0/50	(0%)		0/50 (0%)		
		0/50	(0%)	1/49	(270)	0/30	(0 %)		0/50	(0%)		0/30 (078)		
Overall Incidence	Total	1/199 (0.5		Mean 0	.51%	SD 1.029	%	Total	0/150	(0%)	Mean 0%	SD 0%		
#Uterus: Adenoma														
									0/50 1/50	(0%) (2%)		0/50 (0%)		
Overall Incidence								Total	1/150 (0	0.67%)	Mean 0.67%	SD 1.15%		
#Uterus: Carcinoma														
									0/50	(0%)		0/50 (0%)		
Overall Incidence								Total	0/50 0/150	· · ·	Mean 0%	SD 0%		
#Uterus:														
Deciduoma Benign									0/50 0/50	(0%) (0%)		0/50 (0%)		
Overall Incidence								Total	0/150	. ,	Mean 0%	SD 0%		
#Uterus: Hemangioma														
~									0/50 0/50	(0%) (0%)		0/50 (0%)		
Overall Incidence								Total	0/150		Mean 0%	SD 0%		
*: Denominator is number of animals		xamined microsco	opically											

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED	3	Page: 235 Report Date: 03/20/2010				
	Male		Female				
#Uterus: Hemangiosarcoma							
nemanyiosarcoma		0/50 (0%) 0/50 (0%)		0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%			
#Uterus: Leiomyosarcoma		-/					
		0/50 (0%) 0/50 (0%)		1/50 (2%)			
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%			
#Uterus: Polyp Stromal							
		10/50 (20%) 10/50 (20%)		14/50 (28%)			
Overall Incidence	Total	34/150 (22.67%)	Mean 22.67%	SD 4.62%			
fUterus:							
Sarcoma		0/50 (0%) 0/50 (0%)		0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%			
∉Uterus: Sarcoma Stromal							
		0/50 (0%) 0/50 (0%)		0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: FEED							Page: 236 Report Date: 03/20/2010		
					Male						Female	
#Uterus:	Ctromal											
Sarcoma Stromal or Polyp	Stromai								10/50 10/50	(20%) (20%)		14/50 (28%)
Overall Incidence								Total	34/150 (2	,	Mean 22.67%	SD 4.62%
#Uterus: Schwannoma Malignant												
-									0/50	(0%)		0/50 (0%)
Overall Incidence								Total	0/50 0/150 ((0%) (0%)	Mean 0%	SD 0%
Vagina: Polyp												
loyp									0/50 0/50	(0%) (0%)		0/50 (0%)
Overall Incidence								Total	0/150 (. ,	Mean 0%	SD 0%
Vagina: Sarcoma												
									0/50 0/50	(0%) (0%)		0/50 (0%)
Overall Incidence								Total	0/150 (. ,	Mean 0%	SD 0%
Zymbal's Gland: Adenoma												
		0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)		0/50 0/50	(0%) (0%)		0/50 (0%)
Overall Incidence	Total	0/50 (0%)	· ,	Mean	0%	SD 0%		Total	0/50 0/150 (Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicolo Tumor Inciden		Page: 237 Report Date: 03/20/2010			
			Male				Female	
#Zymbal's Gland: Carcinoma		0/50 (0%)	4/50 (20/)	0/50 (0%)		1/50 (20/)		0/50 (0%)
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Zymbal's Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%) 0/50 (0%)		0/50 (0%)
Overall Incidence	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Southern Research Institute	052011407	10/02/02	730	50(3)	28(696)	532.4	Sodium dichromate dihydrate (VI)
Southern Research Institute	059601905	09/26/01	729	50(3)	31(686)	526.0	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601505	09/05/01	729	50(3)	31(692)	507.8	Water disinfection byproducts (Dibromoacetonitrile)
					Female		
Southern Research Institute	052011407	10/02/02	735	50(5)	33(700)	351.2	Sodium dichromate dihydrate (VI)
Southern Research Institute	059601905	09/26/01	731	50(5)	34(688)	357.3	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601505	09/05/01	734	50(5)	29(689)	337.6	Water disinfection byproducts (Dibromoacetonitrile)

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 239 Report Date: 03/20/2010						
			Male		Female				
#All Organs: Benign Tumors		49/50 (98%)	50/50 (100%)	50/50 (100%)		47/50 (94%)	49/50 (98%)	44/50 (88%)	
Overall Incidence	Total	149/150 (99.33%)	Mean 99.33%	SD 1.15%	Total	140/150 (93.33%)	Mean 93.33%	SD 5.03%	
#All Organs: Malignant Tumors		29/50 (58%)	27/50 (54%)	27/50 (54%)		20/50 (40%)	18/50 (36%)	20/50 (40%)	
Overall Incidence	Total	83/150 (55.33%)	Mean 55.33%	SD 2.31%	Total	58/150 (38.67%)	Mean 38.67%	SD 2.31%	
#All Organs: Malignant and Benign Tumo Overall Incidence	ors Total	50/50 (100%) 150/150 (100%)	50/50 (100%) Mean 100%	50/50 (100%) SD 0%	Total	49/50 (98%) 146/150 (97.33%)	49/50 (98%) Mean 97.33%	48/50 (96%) SD 1.15%	
#All Organs: Hemangioma Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#All Organs: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
#All Organs: Hemangiosarcoma or Hema	angioma	1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL

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Vehicle: WATER

			Male				Female		
#All Organs: Histiocytic Sarcoma									
• ••• •••	T ()	0/50 (0%)	0/50 (0%)	0/50 (0%)	T ()	0/50 (0%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
#All Organs: Leukemia: Erythrocytic									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
#All Organs: Leukemia: Lymphocytic, I	Nonocytic, M	Iononuclear, or Undifferer 26/50 (52%)	ntiated 21/50 (42%)	21/50 (42%)		8/50 (16%)	15/50 (30%)	14/50 (28%)	
Overall Incidence	Total	68/150 (45.33%)	Mean 45.33%	SD 5.77%	Total	37/150 (24.67%)	Mean 24.67%	SD 7.57%	
#All Organs: Malignant Lymphoma: His	stiocytic, Lyn					0/50 (00/)	0/50 (0%)	4/50 (00/)	
	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	Mean 0.67%	1/50 (2%) SD 1.15%	
		0/150 (0%)	Mean 0%	SD 0%		1/150 (0.67%)	Mean 0.67%	SD 1.15%	
All Organs: Mesothelioma: Benign		0/150 (0%) 0/50 (0%)	Mean 0%	SD 0%		1/150 (0.67%) 0/50 (0%)	Mean 0.67%	SD 1.15%	
All Organs: Mesothelioma: Benign		0/150 (0%)	Mean 0%	SD 0%		1/150 (0.67%)	Mean 0.67%	SD 1.15%	
#All Organs:	Total	0/150 (0%) 0/50 (0%) 0/150 (0%)	Mean 0%	SD 0%		1/150 (0.67%) 0/50 (0%)	Mean 0.67%	SD 1.15%	
#All Organs: Mesothelioma: Benign Overall Incidence #All Organs:	Total	0/150 (0%) 0/50 (0%) 0/150 (0%)	Mean 0%	SD 0%		1/150 (0.67%) 0/50 (0%)	Mean 0.67%	SD 1.15%	

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

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			Male				Female	
#All Organs: Mesothelioma: Malignant		2/50 (4%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Osteoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
All Organs: Osteosarcoma		0/50 /00/)	0/50 (00/)	0/50 (0%)		0/50 (00/1)	4/50 (00/.)	0/50 (00/.)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
All Organs: Osteosarcoma or Osteom				- (()		-/		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
Adrenal Cortex: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Adrenal Cortex: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

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			Male				Female	
*Adrenal Medulla: Ganglioneuroma		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/147 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Hemangioma		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/147 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Benign		6/49 (12%)	9/50 (18%)	10/50 (20%)		2/49 (4%)	2/49 (4%)	1/49 (2%)
Overall Incidence	Total	25/149 (16.78%)	Mean 16.75%	SD 4.03%	Total	5/147 (3.4%)	Mean 3.4%	SD 1.18%
Adrenal Medulla: Pheochromocytoma Comple	ex	0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/147 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Maligna								
Overall Incidence	Total	1/49 (2%) 2/149 (1.34%)	1/50 (2%) Mean 1.35%	0/50 (0%) SD 1.17%	Total	1/49 (2%) 3/147 (2.04%)	2/49 (4%) Mean 2.04%	0/49 (0%) SD 2.04%
Adrenal Medulla: Pheochromocytoma: Benigr		x, Malignant, NOS 7/49 (14%)	10/50 (20%)	10/50 (20%)		3/49 (6%)	4/49 (8%)	1/49 (2%)
Overall Incidence	Total	27/149 (14%) 27/149 (18.12%)	Mean 18.1%	SD 3.3%	Total	3/49 (6%) 8/147 (5.44%)	4/49 (8%) Mean 5.44%	1/49 (2%) SD 3.12%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS Strain: F 344/N			Tumor Incident	Report Date: 03/20/2010				
Length of Study: CHRONIC				Vehicle: WATER				
			Male				Female	
έBone: Chondrosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Bone: Chondrosarcoma or Chond						0/50 (00%)	0/50 (00/.)	4/50 (00()
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Bone: Chordoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
∕Bone: Osteoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
≉Bone: Osteosarcoma		0/50 /00/)	0/50 (0)()	0/50 (00/.)		0/50 (001)	4/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
#Bone: Osteosarcoma or Osteoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%

Toxicology Data Management System

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*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

Page: 244 Report Date: 03/20/2010

			Male				Female	
*Brain: Astrocytoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	0/50 (0%) SD 0%
Brain: Ependymoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Ependymoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Glioma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Brain: Granular Cell Tumor Beniç	jn							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Brain: Medulloblastoma Mal								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Inciden	ice for Selected Control A Route: ORAL Vehicle: WATER	Animal Groups		Report Date: 03/20/2010		
			Male				Female		
*Brain: Oligodendroglioma Benign	ı	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Brain: Oligodendroglioma Malign	ant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Brain: Oligodendroglioma, Glioma	a, or Astroc	ytoma 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Brain: Osteosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Brain: Schwannoma Malignant									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Clitoral/Preputial Gland: Adenoma			4/50 (00 ⁻¹)	1/40 (00/)		0/50 (46%)	17/20 (0.40%)	5/50 (400/)	
Overall Incidence	Total	4/50 (8%) 9/148 (6.08%)	4/50 (8%) Mean 6.03%	1/48 (2%) SD 3.42%	Total	2/50 (4%) 24/150 (16%)	17/50 (34%) Mean 16%	5/50 (10%) SD 15.87%	

Toxicology Data Management System

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*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 246 Report Date: 03/20/2010			
			Male		Female			
*Clitoral/Preputial Gland: Carcinoma								
Overall Incidence	Total	1/50 (2%) 3/148 (2.03%)	2/50 (4%) Mean 2%	0/48 (0%) SD 2%	Total	8/50 (16%) 9/150 (6%)	0/50 (0%) Mean 6%	1/50 (2%) SD 8.72%
*Clitoral/Preputial Gland: Carcinoma or Adenoma						40/50 (00%)	47/50 (040/)	0/50 (40%)
Overall Incidence	Total	4/50 (8%) 10/148 (6.76%)	5/50 (10%) Mean 6.69%	1/48 (2%) SD 4.12%	Total	10/50 (20%) 33/150 (22%)	17/50 (34%) Mean 22%	6/50 (12%) SD 11.14%
*Clitoral/Preputial Gland: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/48 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Clitoral/Preputial Gland: Sarcoma		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Ear: Neural Crest Tumor								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Esophagus: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

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			Male				Female	
#Esophagus: Lipoma								
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Overall Incidence	Total	0/150 (0%)		50 0%	Total	0/150 (0%)	wean 0%	50 0%
#Eye: Melanoma Malignant								
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Eye: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
						0/130 (070)		
Harderian Gland: Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
						0/100 (0/0)		
Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Heart: Schwannoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	_	0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: ORAL
Vehicle: WATER
Male

			Male				Female	
*Heart: Schwannoma Malignant								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Intestine Large: Colon/Rect Adenoma	um:							
.	T	0/50 (0%)	0/50 (0%)	0/50 (0%)	T ()	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Rect Carcinoma	um:							
	T	0/50 (0%)	0/50 (0%)	1/50 (2%)	T ()	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Intestine Large: Colon/Rect# Carcinoma or Adenoma	um:							
	-	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Intestine Large: Colon/Rect Hemangioma	um:							
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Carcinoma	:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

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			Male				Female	
#Intestine Small: Duodenum: Leiomyoma	:	0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
fIntestine Small: Ileum: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Jejunum: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Jejunum: Granular Cell Tumor Malig								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
ntestine Small: Jejunum: Leiomyoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Jejunum: Leiomyosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

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			Male				Female	
#Intestine Small: Site Uns Adenoma	specified:							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Small: Site Uns Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Site Uns Carcinoma or Adenoma	•	0/50 /0%()	0/50 (00/)	0/50 (00/.)		0/50 (00()	0/50 (00/.)	0/50 (00())
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Site Uns Granular Cell Tumor Ma	specified:	0/50 (0)()		0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Site Uns Leiomyoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Intestine Small: Site Uns Leiomyosarcoma	specified:							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 251 Report Date: 03/20/2010					
			Male		Female				
*Islets, Pancreatic: Adenoma									
Overall Incidence	Total	4/50 (8%) 12/149 (8.05%)	3/50 (6%) Mean 8.07%	5/49 (10%) SD 2.1%	Total	2/50 (4%) 6/149 (4.03%)	3/49 (6%) Mean 4.04%	1/50 (2%) SD 2.06%	
*Islets, Pancreatic: Carcinoma		0/50 /02/)					0/40 (00/)	0/50 (0)()	
Overall Incidence	Total	0/50 (0%) 3/149 (2.01%)	2/50 (4%) Mean 2.01%	1/49 (2%) SD 2%	Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	
*Islets, Pancreatic: Carcinoma or Adenoma						0/50 (40/)	o/40 (00/)	4/50 (00/)	
Overall Incidence	Total	4/50 (8%) 15/149 (10.07%)	5/50 (10%) Mean 10.08%	6/49 (12%) SD 2.12%	Total	2/50 (4%) 6/149 (4.03%)	3/49 (6%) Mean 4.04%	1/50 (2%) SD 2.06%	
*Kidney: Pelvis and Transitior Carcinoma									
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Kidney: Pelvis and Transitior Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Kidney: Pelvis and Transitior Papilloma									
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

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			Male				Female	
Kidney: Renal Tubule: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
Kidney: Renal Tubule: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma or Adenoma								
	-	0/50 (0%)	0/50 (0%)	0/49 (0%)	T ()	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Kidney: Renal Tubule: Hemangiosarcoma		- / /)						- /= //
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
						0/150 (0%)		JU 0%
Kidney: Renal Tubule: Lipoma								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Mesenchymal Tumor Benign	1							
O	T . (.)	0/50 (0%)	0/50 (0%)	0/49 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Route: ORAL Vehicle: WATER	-		Report Da	te: 03/20/2010
			Male				Female	
*Kidney: Renal Tubule: Mesenchymal Tumor Malig	nant	0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Nephroblastoma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Kidney: Renal Tubule: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
'Liver: Cholangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Liver: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
'Liver: Hepatocellular Adenoma		0/50 (0%)	2/50 (40%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	2/50 (4%) Mean 1.33%	0/50 (0%) SD 2.31%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%

Toxicology Data Management System

Page: 253

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
*Liver: Hepatocellular Carcinc	oma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcino	oma or Hepatobl	astoma						
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Hepatocellular Carcino Overall Incidence	oma or Hepatoce Total	ellular Adenoma 0/50 (0%) 2/150 (1.33%)	2/50 (4%) Mean 1.33%	0/50 (0%) SD 2.31%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
*Liver: Hepatocellular Carcinc	oma, Hepatocellu	ular Adenoma, or Hepatok		0/50 (00/)		4/50 (00/)	0/50 (00/)	0/50 (0)()
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	2/50 (4%) Mean 1.33%	0/50 (0%) SD 2.31%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
*Liver:								
Ito Cell Tumor Benign						0/50 (0%)	0/50 (0%)	0/50 (0%)
C C	T	0/50 (0%)	0/50 (0%)	0/50 (0%)	- · ·	()	()	00.000
C C	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Ito Cell Tumor Benign Overall Incidence *Lung: Alveolar/Bronchiolar A		0/150 (0%)	· · · ·	()	Total	()	()	
Overall Incidence		()	· · · ·	()	Total Total	()	()	SD 0% 1/50 (2%) SD 3.46%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female				
*Lung: Alveolar/Bronchiolar Carcinoma											
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
Lung: Alveolar/Bronchiolar Carci	noma or Alv	/eolar/Bronchiolar Adeno	ma								
		4/50 (8%)	3/50 (6%)	4/50 (8%)		4/50 (8%)	1/50 (2%)	1/50 (2%)			
Overall Incidence	Total	11/150 (7.33%)	Mean 7.33%	SD 1.15%	Total	6/150 (4%)	Mean 4%	SD 3.46%			
Lung: Fibrosarcoma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			
Lung: Hemangiosarcoma											
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
	10tai	0/150 (0%)	wean 0%	50 0%	10tai	0/150 (0%)	iviean 0%	5D 0%			
Lung: Squamous Cell Carcinoma	I										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			
Lymph Node: Hemangiosarcoma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
#Mammary Gland: Adenolipoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
#Mammary Gland: Carcinoma						- ()		
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 3/150 (2%)	1/50 (2%) Mean 2%	2/50 (4%) SD 2%
Mammary Gland: Carcinoma or Adenoma								
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	2/50 (4%) 5/150 (3.33%)	1/50 (2%) Mean 3.33%	2/50 (4%) SD 1.15%
Mammary Gland: Fibroadenoma								
Overall Incidence	Total	2/50 (4%) 11/150 (7.33%)	3/50 (6%) Mean 7.33%	6/50 (12%) SD 4.16%	Total	37/50 (74%) 111/150 (74%)	43/50 (86%) Mean 74%	31/50 (62%) SD 12%
Mammary Gland: Fibroma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ogy Data Management ice for Selected Control A Route: ORAL Vehicle: WATER	-		Page: 257 Report Da	nte: 03/20/2010
			Male				Female	
#Mammary Gland: Fibroma, Fibroadenoma or .	Adenoma	2/50 (4%)	3/50 (6%)	6/50 (12%)		37/50 (74%)	43/50 (86%)	31/50 (62%)
Overall Incidence	Total	11/150 (7.33%)	Mean 7.33%	SD 4.16%	Total	111/150 (74%)	Mean 74%	SD 12%
#Mammary Gland: Fibroma, Fibroadenoma, Ca		or Adenoma 3/50 (6%)	3/50 (6%)	6/50 (12%)		37/50 (74%)	43/50 (86%)	31/50 (62%)
Overall Incidence	Total	12/150 (8%)	Mean 8%	SD 3.46%	Total	111/150 (74%)	Mean 74%	SD 12%
#Mesentery: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Mesentery: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Mesentery: Lipoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Mesentery: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

Version: Mar2010

Contract/Lab: All Laboratories Species: RATS

Strain: F 344/N

Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

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			Male				Female	
'Nose: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Nose: Chondroma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Nose: Squamous Cell Carcin	oma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucos Papilloma Squamous o	sa, Tongue, Phary							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%
Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Phary							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Voral Cavity (Oral Mucos Squamous Cell Carcin		ynx, Tooth, Gingiva): Squamous, or Papilloma 0/50 (0%)	0/50 /00/)	0/50 (00)		4/50 (00)	4/50 (00/)	4/50 /00/)
- 1			0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	1/50 (2%)

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratorio Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 259 Report Date: 03/20/2010					
			Male				Female	
#Oral Mucosa: Squamous Cell Carcinon		0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50				0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Oral Mucosa: Squamous Cell Papilloma	3	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Ovary: Cystadenoma						0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/149 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor Be	nign					0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/149 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor Ma	llignant					0/40 (227)	0/50 (000)	0/50 (221)
Overall Incidence					Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Ovary: Granulosa Cell Tumor: B	enign, Maligna	int, NOS						
						0/49 (0%)	0/50 (0%)	0/50 (0%)

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	3			ogy Data Management nce for Selected Control A Route: ORAL Vehicle: WATER	Page: 260 Report Date: 03/20/2010			
			Male				Female	
*Ovary: Granulosa-Theca Tumor B	enign							
Overall Incidence					Total	0/49 (0%) 1/149 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
*Ovary: Granulosa-Theca Tumor M								
Overall Incidence					Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Ovary: Tubulostromal Adenoma								
Overall Incidence					Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Pancreas: Adenoma								
Overall Incidence	Total	1/50 (2%) 4/149 (2.68%)	2/50 (4%) Mean 2.68%	1/49 (2%) SD 1.14%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Pancreas: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Pancreas: Carcinoma or Adenoma		4/50 (201)		4/40 (20/)			0/50 (00/.)	0/50 (09/)
Overall Incidence	Total	1/50 (2%) 4/149 (2.68%)	2/50 (4%) Mean 2.68%	1/49 (2%) SD 1.14%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
*Pancreas: Mixed Tumor Benign		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Malignant								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Parathyroid Gland: Adenoma								
Overall Incidence	Total	0/46 (0%) 1/136 (0.74%)	0/44 (0%) Mean 0.72%	1/46 (2%) SD 1.26%	Total	0/46 (0%) 0/130 (0%)	0/42 (0%) Mean 0%	0/42 (0%) SD 0%
Pituitary Gland: Pars Dist Adenoma	alis or Unspe	cified Site:						
Overall Incidence	Total	16/50 (32%) 63/148 (42.57%)	23/48 (48%) Mean 42.64%	24/50 (48%) SD 9.21%	Total	28/50 (56%) 83/149 (55.7%)	28/50 (56%) Mean 55.7%	27/49 (55%) SD 0.52%
Pituitary Gland: Pars Dist Carcinoma		cified Site:						
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%	Total	2/50 (4%) 2/149 (1.34%)	0/50 (0%) Mean 1.33%	0/49 (0%) SD 2.31%
Pituitary Gland: Pars Dist Carcinoma or Adenoma		cified Site:						
Overall Incidence	Total	16/50 (32%) 63/148 (42.57%)	23/48 (48%) Mean 42.64%	24/50 (48%) SD 9.21%	Total	30/50 (60%) 85/149 (57.05%)	28/50 (56%) Mean 57.03%	27/49 (55%) SD 2.61%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 262 Report Date: 03/20/2010				
			Male				Female	
*Pituitary Gland: Pars Distalis Ganglioneuroma	or Unspec							
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
Pituitary Gland: Pars Interme Adenoma				0/50 (00/.)		0/50 (0)()	0/50 (00/.)	0/40 (0%)
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
Pituitary Gland: Pars Interme Carcinoma or Adenoma		0/50 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Nervosa Craniopharyngioma		0/50 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
Prostate: Adenoma		2/50 (4%)	0/50 (0%/)	0/40 (0%)				
Overall Incidence	Total	2/50 (4%) 2/149 (1.34%)	0/50 (0%) Mean 1.33%	0/49 (0%) SD 2.31%				
*Prostate: Carcinoma or Adenoma		2/50 (4%)	0/50 (0%)	0/49 (0%)				
Overall Incidence	Total	2/149 (1.34%)	Mean 1.33%	SD 2.31%				

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicolo Tumor Incideno	ogy Data Man ce for Selecter Route: C Vehicle: W	d Control A DRAL	-		Page: 263 Report Da	te: 03/20/2010
			Male					Female	
*Salivary Glands: Carcinoma		0/50 (0%)	0/50 (0%)	0/50	(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	(0%)	Total	0/150 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma or Adenoma			- /		()			- /	
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Salivary Glands: Sarcoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Salivary Glands: Schwannoma Malignant		0/50 (0%)	0/50 (0%)		(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	· /	Total	0/150 (0%)	Mean 0%	SD 0%
#Seminal Vesicle: Adenoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)				
#Skeletal Muscle: Fibrous Histiocytoma		0/50 (0%)	0/50 (00()	0/50	(00()		0/50 (00/.)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
#Skeletal Muscle: Hemangiosarcoma			- / /				- /	
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
						()		
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or	Rhabdomyoma		0/50 (00/1)	0/50 (00%)		0/50 (00%)	0/50 (00/.)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
∜Skin: Basal Cell Adenoma								
Overall Incidence	Total	2/50 (4%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	2/50 (4%) SD 2.31%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin:		Tumor Ponian						
Basal Cell Adenoma or E	sasosquamous	2/50 (4%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma, Ba	sosquamous T	Fumor Benign, or Trichoe	pithelioma					
.,	•	2/50 (4%)	3/50 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	7/150 (4.67%)	Mean 4.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
∜Skin: Basal Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
Skin:		us Tumor (malignant or N						
	•	0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
≇Skin: Basal Cell Carcinoma, NOS), or Trichoepithel		noma, Basosquamous Tu				0/50 (0)()		0/50 (0%)
Overall Incidence	Total	2/50 (4%) 9/150 (6%)	3/50 (6%) Mean 6%	4/50 (8%) SD 2%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		9/130 (0%)			Total	0/150 (0%)		30 0%
		na, Basosq. Tumor (M or eratoacanthoma, Trichoe 5/50 (10%)	oithelioma 6/50 (12%)	na, 11/50 (22%) SD 6.43%	Total	1/50 (2%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
	10tai	22/150 (14.67%)	Mean 14.67%	5D 0.43%	Total	1/150 (0.67%)		5D 1.15%
∜Skin: Fibroma								
	-	8/50 (16%)	7/50 (14%)	8/50 (16%)	-	1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	23/150 (15.33%)	Mean 15.33%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
	a, Sarcoma, My	koma, Myxosarcoma, or F	ibrous Histiocytoma					
#Skin: Fibroma, Fibrosarcom	a, Sarcoma, My	koma, Myxosarcoma, or F 11/50 (22%)	ibrous Histiocytoma 8/50 (16%)	9/50 (18%)		1/50 (2%)	1/50 (2%)	1/50 (2%)

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incider	ice for Selected Control A Route: ORAL Vehicle: WATER	nimal Groups		Report Dat	ae: 03/20/2010
			Male			<u>.</u>	Female	
#Skin: Fibrosarcoma		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Fibrosarcoma, Sarcoma, My				1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Fibrous Histiocytoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Hemangioma Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Hemangiosarcoma						······		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Keratoacanthoma		2/50 (4%)	1/50 (2%)	6/50 (12%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	9/150 (6%)	Mean 6%	SD 5.29%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

Toxicology Data Management System

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*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL

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			Male				Female	
#Skin: Lipoma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≮Skin: Liposarcoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
≇Skin: Neural Crest Tumor		0/50 (0%)	1/50 (20%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
∜Skin: Neural Crest Tumor, Ma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
∕Skin: Neurofibroma or Schwa	annoma benign							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Neurofibrosarcoma or \$	Schwannoma (n	u ,						
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Vehicle: WATER

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ogy Data Management ace for Selected Control / Route: ORAL Vehicle: WATER	•		Page: 268 Report Dat	e: 03/20/2010
			Male				Female	
≇Skin: Neurofibrosarcoma, Neurofil	broma, or \$	Schwannoma (benign, ma 0/50 (0%)	alignant or NOS) 0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Sarcoma		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fSkin: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
≭Skin: Squamous Cell Carcinoma		4/FD (001)	0/50 (00 ⁺)			0/50 (00/)	0/50 (00/)	0/50 /00/)
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Squamous Cell Carcinoma, I or Carcinoma	Basal Cell (Carcinoma, Basosquamo	us Tumor (malignant	or NOS),				
		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
#Skin: Squamous Cell Papillom	na							
•	T	1/50 (2%)	3/50 (6%)	1/50 (2%)	T	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papillom	a or Papilloma	1						
	•	1/50 (2%)	3/50 (6%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
Overall Incidence	Total	4/50 (8%) 15/150 (10%)	4/50 (8%) Mean 10%	7/50 (14%) SD 3.46%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Overall Incidence	Total	4/50 (8%) 15/150 (10%)	4/50 (8%) Mean 10%	7/50 (14%) SD 3.46%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1 15%
#Skin: Squamous Cell Papillom		or Keratoacanthoma						
#Skin: Squamous Cell Papillom	na, Papilloma , c Total	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%)	4/50 (8%) Mean 9.33%	7/50 (14%) SD 4.16%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
#Skin:	na, Papilloma , c Total	or Keratoacanthoma 3/50 (6%)	4/50 (8%) Mean 9.33%	7/50 (14%) SD 4.16%	Total	1/50 (2%)	0/50 (0%) Mean 0.67%	0/50 (0%)
#Skin: Squamous Cell Papillom Overall Incidence #Skin: Trichoepithelioma	na, Papilloma, c Total	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%) 0/50 (0%)	4/50 (8%) Mean 9.33% 3/50 (6%)	7/50 (14%) SD 4.16% 0/50 (0%)	Total	1/50 (2%) 1/150 (0.67%) 0/50 (0%)	0/50 (0%) Mean 0.67% 0/50 (0%)	0/50 (0%) SD 1.15% 0/50 (0%)
#Skin: Squamous Cell Papillom Overall Incidence #Skin: Trichoepithelioma	na, Papilloma , c Total	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%)	4/50 (8%) Mean 9.33%	7/50 (14%) SD 4.16%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
#Skin: Squamous Cell Papillom Overall Incidence #Skin:	na, Papilloma, c Total	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%) 0/50 (0%) 3/150 (2%)	4/50 (8%) Mean 9.33% 3/50 (6%) Mean 2%	7/50 (14%) SD 4.16% 0/50 (0%) SD 3.46%	Total	1/50 (2%) 1/150 (0.67%) 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0.67% 0/50 (0%) Mean 0%	0/50 (0%) SD 1.15% 0/50 (0%) SD 0%
#Skin: Squamous Cell Papillom Overall Incidence #Skin: Trichoepithelioma Overall Incidence #Skin: Sebaceous Gland:	na, Papilloma, c Total	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%) 0/50 (0%)	4/50 (8%) Mean 9.33% 3/50 (6%)	7/50 (14%) SD 4.16% 0/50 (0%)	Total	1/50 (2%) 1/150 (0.67%) 0/50 (0%)	0/50 (0%) Mean 0.67% 0/50 (0%)	0/50 (0%) SD 1.15% 0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (0)()	0/50 (0)()	0/50 (0%)		4/50 (00/)	0/50 (00/)	0/50 /00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Spinal Cord: Astrocytoma Benign		0/50 (0%)						
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Spinal Cord: Astrocytoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Spinal Cord: Glioma Malignant		0/50 /09()	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (00/)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Spleen: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Spleen: Fibrous Histiocytoma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
*Spleen: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Spleen: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Spleen: Sarcoma		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Squamous Cell Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≴Stomach, Forestomach: Squamous Cell Carcinoma c			0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
#Stomach, Forestomach: Squamous Cell Papilloma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Glandular: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Glandular: Carcinoma or Adenoma		0/50 (0)()	0/50 (0)/)	0/50 (00/)		0/50 (00())	0/50 (00/)	0/50 (0)()
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Glandular: Lipoma								
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Stomach, Glandular: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Testes: Adenoma								
Overall Incidence	Total	48/50 (96%) 143/150 (95.33%)	46/50 (92%) Mean 95.33%	49/50 (98%) SD 3.06%				

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 273 Report Date: 03/20/2010				
			Male				Female	
*Testes: Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%				
*Thymus: Thymoma Benign		0/48 (0%)	0/49 (0%)	0/42 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)
Overall Incidence	Total	0/48 (0%)	0/49 (0%) Mean 0%	0/43 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/48 (0%) SD 0%
*Thymus: Thymoma Malignant Overall Incidence	Total	0/48 (0%) 0/140 (0%)	0/49 (0%) Mean 0%	0/43 (0%) SD 0%	Total	0/50 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/48 (0%) SD 0%
*Thymus: Thymoma NOS Overall Incidence	Total	0/48 (0%) 0/140 (0%)	0/49 (0%) Mean 0%	0/43 (0%) SD 0%	Total	0/50 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/48 (0%) SD 0%
⁺Thymus: Thymoma: Benign, Malignar		0/48 (0%)	0/49 (0%)	0/43 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)
Overall Incidence	Total	0/140 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma		5/50 (10%)	3/50 (6%)	10/49 (20%)		8/50 (16%)	6/49 (12%)	6/46 (13%)
Overall Incidence	Total	18/149 (12.08%)	Mean 12.14%	SD 7.44%	Total	20/145 (13.79%)	Mean 13.76%	SD 1.98%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER						Page: 274 Report Date: 03/20/2010		
			Male				Female			
*Thyroid Gland: C-Cell: Carcinoma										
Overall Incidence	Total	1/50 (2%) 3/149 (2.01%)	1/50 (2%) Mean 2.01%	1/49 (2%) SD 0.02%	Total	2/50 (4%) 3/145 (2.07%)	1/49 (2%) Mean 2.01%	0/46 (0%) SD 2%		
*Thyroid Gland: C-Cell: Carcinoma or Adenoma										
Overall Incidence	Total	21/149 (14.09%)	4/50 (8%) Mean 14.15%	11/49 (22%) SD 7.46%	Total	23/145 (15.86%)	7/49 (14%) Mean 15.78%	6/46 (13%) SD 3.71%		
*Thyroid Gland: Follicular Cell Adenoma										
Overall Incidence	Total	0/50 (0%) 2/149 (1.34%)	2/50 (4%) Mean 1.33%	0/49 (0%) SD 2.31%	Total	0/50 (0%) 1/145 (0.69%)	0/49 (0%) Mean 0.72%	1/46 (2%) SD 1.26%		
Thyroid Gland: Follicular Cell Carcinoma										
Overall Incidence	Total	0/50 (0%) 1/149 (0.67%)	1/50 (2%) Mean 0.67%	0/49 (0%) SD 1.15%	Total	0/50 (0%) 0/145 (0%)	0/49 (0%) Mean 0%	0/46 (0%) SD 0%		
*Thyroid Gland: Follicular Cel Carcinoma or Adenoma										
Overall Incidence	Total	0/50 (0%) 3/149 (2.01%)	3/50 (6%) Mean 2%	0/49 (0%) SD 3.46%	Total	0/50 (0%) 1/145 (0.69%)	0/49 (0%) Mean 0.72%	1/46 (2%) SD 1.26%		
#Tissue NOS: Lipoma							0/50 /00/	0/50 /00/1		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
#Tissue NOS: Paraganglioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
≭Tongue: Squamous Cell Carcinoma		-						
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
Tongue: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
fTooth: Adamantinoma Malignant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≄Tooth: Odontoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
Urinary Bladder: Carcinoma or Papilloma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
Urinary Bladder: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
Jrinary Bladder: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
overall Incidence	Total	0/150 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Jrinary Bladder: Papilloma								
overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Jterus: Adenoma								
overall Incidence					Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Uterus: Carcinoma								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N	Toxicology Data Management Tumor Incidence for Selected Control A Route: ORAL Vehicle: WATER		Page: 277 Report Date: 03/20/2010		
Length of Study: CHRONIC	Male		Female		
	ware			remaie	
#Uterus: Deciduoma Benign			0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence		Total	0/150 (0%)	Mean 0%	SD 0%
#Uterus: Hemangioma					
Overall Incidence		Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus: Hemangiosarcoma					
Overall Incidence		Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Uterus: Leiomyosarcoma				0/50 (00/)	
Overall Incidence		Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus: Polyp Stromal					
Overall Incidence		Total	10/50 (20%) 32/150 (21.33%)	9/50 (18%) Mean 21.33%	13/50 (26%) SD 4.16%
#Uterus: Sarcoma					
			0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence		Total	0/150 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ogy Data Manag ce for Selected (Route: OR Vehicle: WA	Page: 278 Report Date: 03/20/2010			
			Male				Female	
#Uterus: Sarcoma Stromal								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Uterus: Sarcoma Stromal or Polyp Stro								
Overall Incidence					Total	10/50 (20%) 32/150 (21.33%)	9/50 (18%) Mean 21.33%	13/50 (26%) SD 4.16%
Uterus: Schwannoma Malignant								
Overall Incidence					Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Vagina:								
Polyp Dverall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Vagina: Sarcoma								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Zymbal's Gland: Adenoma		0/50 /00/)	0/50 (001)	0/50 /2	~	0/50 (051)	0/70 (00)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	SD 0%	%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 279 Report Date: 03/20/2010				
			Male				Female	
#Zymbal's Gland: Carcinoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Zymbal's Gland: Carcinoma or Adenoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Southern Research Institute	058813307	01/18/05	729	50(1)	23(681)	516.1	Trimethylolpropane triacrylate
					Female		
Southern Research Institute	058813307	01/18/05	731	50(1)	27(688)	352.8	Trimethylolpropane triacrylate

25			Page: 281 Report Date: 03/20/2010				
		Male				Female	
Total	48/50 (96%)	Moon 06%	SD 0%	Total	43/50 (86%) 42/50 (86%)	Moon 86%	SD 0%
	()						30 0%
	30/50 (60%)				21/50 (42%)		
	· · · ·	Mean 60%		Total	()	Mean 42%	SD 0%
mors	50/50 (100%)				47/50 (94%)		
	()				()	Mean 94%	SD 0%
	0/50 (0%)				0/50 (0%)		
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
	0/50 (0%)				0/50 (0%)		
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
Tetal	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
	Total mors Total Total Total	48/50 (96%) Total 48/50 (96%) 30/50 (60%) Total 30/50 (60%) mors 50/50 (100%) Total 50/50 (100%) Total 50/50 (100%) Total 0/50 (0%) Total 0/50 (0%)	Ass Tumor Incide Male 48/50 (96%) Total 48/50 (96%) Total 30/50 (60%) Mean 96% 30/50 (60%) Mean 60% mors 50/50 (100%) Total 50/50 (100%) Mean 100% 0/50 (0%) Total 0/50 (0%) Mean 0% 0/50 (0%) Mean 0% 0/50 (0%)	ass Tumor Incidence for Selected Contr Route: SKIN Vehicle: ACETONE Male Male Total 48/50 (96%) Total 48/50 (96%) Mean 96% SD 0% Total 30/50 (60%) Mean 60% SD 0% mors 50/50 (100%) Total 50/50 (100%) Mean 100% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%	Alt Alt <td>Route: SKIN Vehicle: ACETONE Male 1 48/50 (96%) 48/50 (96%) Mean 96% SD 0% Total 43/50 (86%) 43/50 (86%) 1 100% Mean 96% SD 0% Total 43/50 (86%) 1 100% Mean 96% SD 0% Total 43/50 (86%) 1 100% Mean 60% SD 0% Total 21/50 (42%) 1 100% Mean 60% SD 0% Total 21/50 (42%) 1 100% Mean 100% SD 0% Total 47/50 (94%) 1 100% Mean 100% SD 0% Total 47/50 (94%) 1 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 1 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 1 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 1 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 1 0/50 (0%) Mean 0% SD 0%</td> <td>Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Report Data Route: SKIN Vehicle: ACETONE Male Female 48/50 (96%) Mean 96% SD 0% Total 43/50 (86%) Mean 86% Total 48/50 (96%) Mean 96% SD 0% Total 43/50 (86%) Mean 86% Total 30/50 (60%) Mean 96% SD 0% Total 21/50 (42%) Mean 42% mors 50/50 (100%) Mean 100% SD 0% Total 47/50 (94%) Mean 94% Total 50/50 (100%) Mean 0% SD 0% Total 0/50 (0%) Mean 94% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0%</td>	Route: SKIN Vehicle: ACETONE Male 1 48/50 (96%) 48/50 (96%) Mean 96% SD 0% Total 43/50 (86%) 43/50 (86%) 1 100% Mean 96% SD 0% Total 43/50 (86%) 1 100% Mean 96% SD 0% Total 43/50 (86%) 1 100% Mean 60% SD 0% Total 21/50 (42%) 1 100% Mean 60% SD 0% Total 21/50 (42%) 1 100% Mean 100% SD 0% Total 47/50 (94%) 1 100% Mean 100% SD 0% Total 47/50 (94%) 1 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 1 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 1 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 1 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 1 0/50 (0%) Mean 0% SD 0%	Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Report Data Route: SKIN Vehicle: ACETONE Male Female 48/50 (96%) Mean 96% SD 0% Total 43/50 (86%) Mean 86% Total 48/50 (96%) Mean 96% SD 0% Total 43/50 (86%) Mean 86% Total 30/50 (60%) Mean 96% SD 0% Total 21/50 (42%) Mean 42% mors 50/50 (100%) Mean 100% SD 0% Total 47/50 (94%) Mean 94% Total 50/50 (100%) Mean 0% SD 0% Total 0/50 (0%) Mean 94% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0%

Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	95			ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONE	ol Animal Groups		Page: 282 Report Dat	e: 03/20/2010
			Male				Female	
#All Organs: Histiocytic Sarcoma		0/50 (0%)		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Leukemia: Erythrocytic		0/50 (0%)				0/50 (0%)		
• ··· ··	T ()	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
Overall Incidence	Total					· · · · · · · · · · · · · · · · · · ·		
#All Organs: Leukemia: Lymphocytic,	Monocytic, Mc	ononuclear, or Undifferen 26/50 (52%)	tiated			12/50 (24%)	Mean 24%	SD 0%
#All Organs: Leukemia: Lymphocytic, Overall Incidence	Monocytic, Mc Total	ononuclear, or Undifferen 26/50 (52%) 26/50 (52%)	tiated Mean 52%	SD 0%	Total	12/50 (24%) 12/50 (24%)	Mean 24%	SD 0%
#All Organs: Leukemia: Lymphocytic, Overall Incidence #All Organs: Malignant Lymphoma: His	Monocytic, Mc Total	ononuclear, or Undifferen 26/50 (52%) 26/50 (52%) phocytic, Mixed, NOS, or	tiated Mean 52%	SD 0%	Total	12/50 (24%) 12/50 (24%)	Mean 24% Mean 0%	SD 0% SD 0%
#All Organs: Leukemia: Lymphocytic, Overall Incidence #All Organs: Malignant Lymphoma: His Overall Incidence	Monocytic, Mc Total stiocytic, Lym	ononuclear, or Undifferen 26/50 (52%) 26/50 (52%) phocytic, Mixed, NOS, or 0/50 (0%) 0/50 (0%)	tiated Mean 52% Undifferentiated Ce	SD 0%	Total	12/50 (24%) 12/50 (24%) 0/50 (0%) 0/50 (0%)		
 #All Organs: Leukemia: Lymphocytic, Overall Incidence #All Organs: Malignant Lymphoma: His Overall Incidence #All Organs: Mesothelioma: Benign Overall Incidence 	Monocytic, Mc Total stiocytic, Lym Total Total	ononuclear, or Undifferen 26/50 (52%) 26/50 (52%) phocytic, Mixed, NOS, or 0/50 (0%) 0/50 (0%) 0/50 (0%)	tiated Mean 52% Undifferentiated Ce Mean 0% Mean 0%	SD 0%	Total Total Total	12/50 (24%) 12/50 (24%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0%
 #All Organs: Leukemia: Lymphocytic, Overall Incidence #All Organs: Malignant Lymphoma: His Overall Incidence #All Organs: Mesothelioma: Benign 	Monocytic, Mc Total stiocytic, Lym Total Total	ononuclear, or Undifferen 26/50 (52%) 26/50 (52%) phocytic, Mixed, NOS, or 0/50 (0%) 0/50 (0%) 0/50 (0%)	tiated Mean 52% Undifferentiated Ce Mean 0% Mean 0%	SD 0%	Total Total Total	12/50 (24%) 12/50 (24%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic Tumor Incide	Page: 283 Report Date: 03/20/2010						
			Male				Female			
#All Organs: Mesothelioma: Malignant		0/50 (0%)			0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Osteoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Osteosarcoma Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Osteosarcoma or Osteoma Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Adrenal Cortex: Adenoma		1/50 (2%)				0/50 (0%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Adrenal Cortex: Carcinoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incider		Page: 284 Report Date: 03/20/2010			
			Male				Female	
*Adrenal Medulla: Ganglioneuroma		0/49 (0%)				0/48 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Hemangioma		0/49 (0%)				0/48 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Benign Overall Incidence		11/49 (22%) 11/49 (22.45%)	Mean 22.45%	SD 0%	Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Comple		0/49 (0%)				0/48 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Maligna		1/49 (2%)				0/48 (0%)		
Overall Incidence	Total	1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Benig		x, Malignant, NOS 12/49 (24%)				0/48 (0%)		
Overall Incidence *: Denominator is number of animals #: Denominator is number of animals	with tissues	12/49 (24.49%) examined microscopically	Mean 24.49%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC #Bone: Chondrosarcoma			Toxic Tumor Incide		Page: 285 Report Date: 03/20/2010			
			Male				Female	
		0/50 (0%)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Chondrosarcoma or Chono		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Chordoma		0/50 (0%)				0/50 (0%)		CD 0%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Osteoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma		2/50 (4%)				0/50 (0%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma or Osteoma		2/50 (4%)				0/50 (0%)		
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC *Brain: Astrocytoma Malignant			Toxic e Tumor Incide		Page: 286 Report Date: 03/20/2010				
			Male			Female			
		0/50 (0%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Ependymoma Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Ependymoma Malignant		0/50 (0%)				0/50 (0%)		25	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Glioma Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Granular Cell Tumor Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Medulloblastoma Mal		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic Tumor Incide		Page: 287 Report Date: 03/20/2010				
			Male			Female			
*Brain: Oligodendroglioma Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Oligodendroglioma Maligna	int	0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Oligodendroglioma, Glioma Overall Incidence	i, or Astrocy Total	toma 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Brain: Osteosarcoma Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
	TOLAI	0/50 (0%)	wean 0%	50 0%	TOLAI	0/50 (0%)	wean 0%	50 0%	
*Brain: Schwannoma Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Clitoral/Preputial Gland: Adenoma		3/50 (6%)				4/50 (8%)			
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONI	ol Animal Groups		Page: 288 Report Dat	ə: 03/20/2010
			Male				Female	
*Clitoral/Preputial Gland: Carcinoma		0/50 (0%)			7/50 (14%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	7/50 (14%)	Mean 14%	SD 0%
*Clitoral/Preputial Gland: Carcinoma or Adenoma		3/50 (6%)				10/50 (20%)		
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	10/50 (20%)	Mean 20%	SD 0%
*Clitoral/Preputial Gland: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Sarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Ear: Neural Crest Tumor		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Esophagus: Fibrosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 289 Report Dat	: 03/20/2010	
			Male		ted Control Animal Groups F *: SKIN ACETONE 6 Total 0/50 (0%) Mean 0/50 0/50 (0%) Mean 0/50				
#Esophagus: Lipoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Mean 0%	SD 0%	
#Eye: Melanoma Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%	
#Eye: Schwannoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%	
#Harderian Gland: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	· · ·	Mean 0%	SD 0%	
#Harderian Gland: Carcinoma or Adenoma		0/50 (0%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%	
*Heart: Schwannoma Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 290 Report Date: 03/20/2010				
			Male			Report Date: 03/20/2010 Female 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% SD 0%					
*Heart: Schwannoma Malignant		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Intestine Large: Colon/Rectur Adenoma						0/50 (0)()					
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%			
#Intestine Large: Colon/Rectur Carcinoma Overall Incidence	m: Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		SD 0%			
#Intestine Large: Colon/Rectur Carcinoma or Adenoma		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Intestine Large: Colon/Rectur Hemangioma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%			
#Intestine Small: Duodenum: Carcinoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 291 Report Dat	∍: 03/20/2010	
			Male			Female 0/50 (0%) Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%			
#Intestine Small: Duodenum: Leiomyoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	SD 0%	
#Intestine Small: Ileum: Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%	
#Intestine Small: Jejunum: Carcinoma		0/50 (0%)				()			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Intestine Small: Jejunum: Granular Cell Tumor Maligna	ant	0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%	
#Intestine Small: Jejunum: Leiomyoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Mean 0%	SD 0%	
#Intestine Small: Jejunum: Leiomyosarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 292 Report Dat	e: 03/20/2010
			Male			Female 0/50 (0%) Mean 0% SD 0% al 0/50 (0%) Mean 0% SD 0% o/50 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% SD 0%		
#Intestine Small: Site Unspec Adenoma	ified:							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	,	Mean 0%	SD 0%
#Intestine Small: Site Unspec Carcinoma	ified:							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%
#Intestine Small: Site Unspec Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Granular Cell Tumor Maligr	ified:	0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%
#Intestine Small: Site Unspec Leiomyoma						- / / /		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Leiomyosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 293 Report Dat	e: 03/20/2010	
			Male		Female				
*Islets, Pancreatic: Adenoma		18/50 (36%)				3/50 (6%)			
Overall Incidence	Total	18/50 (36%)	Mean 36%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%	
*Islets, Pancreatic: Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Islets, Pancreatic: Carcinoma or Adenoma		18/50 (36%)		SD 0%		3/50 (6%)		SD 0%	
Overall Incidence	Total	18/50 (36%)	Mean 36%		Total	3/50 (6%)	Mean 6%	SD 0%	
*Kidney: Pelvis and Transition Carcinoma	al Epitheliu	0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Pelvis and Transition Carcinoma or Adenoma		im:							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Pelvis and Transition Papilloma		m:				0/50 (00/)			
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONI	ol Animal Groups		Page: 294 Report Date: 03/20/2010				
			Male				Female				
*Kidney: Renal Tubule: Adenoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Kidney: Renal Tubule: Carcinoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Kidney: Renal Tubule: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Kidney: Renal Tubule: Hemangiosarcoma						0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Kidney: Renal Tubule: Lipoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Kidney: Renal Tubule: Mesenchymal Tumor Benigr		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 295 Report Date: 03/20/2010				
			Male				Female				
*Kidney: Renal Tubule: Mesenchymal Tumor Malig Overall Incidence	nant Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Kidney: Renal Tubule: Nephroblastoma		0/50 (0%)				· · ·					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Kidney: Renal Tubule: Sarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%			
'Liver: Cholangioma Dverall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
'Liver: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Liver: Hepatocellular Adenoma		. ,				()					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 296 Report Date: 03/20/201				
			Male			Female 0/50 (0%) Fotal 0/50 (0%) 0/50 (0%) Mean 0% SD 0% fotal 0/50 (0%) 0/50 (0%) Mean 0% SD 0% fotal 0/50 (0%) 0/50 (0%) Mean 0% SD 0% fotal 0/50 (0%) 0/50 (0%) Mean 0% SD 0% fotal 0/50 (0%) Mean 0% SD 0%					
*Liver: Hepatocellular Carcinoma		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Liver: Hepatocellular Carcinoma c											
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	. ,	Mean 0%	SD 0%			
*Liver: Hepatocellular Carcinoma c Overall Incidence	r Hepatocel Total	lular Adenoma 2/50 (4%) 2/50 (4%)) Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
Liver: Hepatocellular Carcinoma, I			atoblastoma								
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	()	Mean 0%	SD 0%			
'Liver: Ito Cell Tumor Benign		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
'Lung: Alveolar/Bronchiolar Adenc	ma	1/50 (2%))			0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	, Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 297 Report Date: 03/20/2010 Female Mean 0% SD 0%				
			Male		Female 0/50 (0%) Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%						
*Lung: Alveolar/Bronchiolar Carcin	oma	1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%			Mean 0%	SD 0%			
*Lung: Alveolar/Bronchiolar Carcin											
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%		. ,	Mean 0%	SD 0%			
*Lung: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
*Lung: Hemangiosarcoma		0/50 (0%)		05 00/	-	. ,		25 <i>m</i> /			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%			Mean 0%	SD 0%			
*Lung: Squamous Cell Carcinoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Lymph Node: Hemangiosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONI	ol Animal Groups		Page: 298 Report Date: 03/20/2010				
			Male				Female				
#Mammary Gland: Adenolipoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Mammary Gland: Adenoma		0/50 (0%)				4/50 (8%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%			
#Mammary Gland: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%			
		. ,				3/30 (0%)					
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)				6/50 (12%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	6/50 (12%)	Mean 12%	SD 0%			
#Mammary Gland: Fibroadenoma						20/50 (449()					
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	22/50 (44%) 22/50 (44%)	Mean 44%	SD 0%			
#Mammary Gland: Fibroma											
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 299 Report Dat	e: 03/20/2010
			Male			Female Z5/50 (50%) Mean 50% SD 0% Total 25/50 (50%) Mean 50% SD 0% Total 25/50 (50%) Mean 50% SD 0% Total 25/50 (50%) Mean 50% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%		
#Mammary Gland: Fibroma, Fibroadenoma or	Adenoma	1/50 (2%)				25/50 (50%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	()	Mean 50%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma, C	arcinoma, or	Adenoma 1/50 (2%)				25/50 (50%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%		25/50 (50%)		SD 0%
#Mesentery: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)		SD 0%
#Mesentery: Hemangiosarcoma		0/50 (0%)				()		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		. ,	Mean 0%	SD 0%
#Mesentery: Lipoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Schwannoma Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 300 Report Dat	te: 03/20/2010
			Male			Female 0/50 (0%) Mean 0% SD 0% 0tal 0/50 (0%) Mean 0% SD 0%		
*Nose: Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	SD 0%
*Nose: Chondroma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Nose: Squamous Cell Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		
#Oral Cavity (Oral Mucosa, To Papilloma Squamous or Pa	ongue, Phar	ynx, Tooth, Gingiva):						
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	· · ·	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma	ongue, Phar					0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma,	ongue, Phar					0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*: Denominator is number of animals	with tissues e	· · · · · · · · · · · · · · · · · · ·						

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				blogy Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONI	ol Animal Groups		Page: 301 Report Dat	te: 03/20/2010		
			Male			Female				
#Oral Mucosa: Squamous Cell Carcinoma		0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) 0/50 (0%)								
Overall Incidence	Total	()	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Oral Mucosa: Squamous Cell Papilloma						0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Cystadenoma						0/50 (0%)				
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Beni	gn					0/50 (0%)				
Overall Incidence					Total	0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Malig	gnant									
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		
*Ovary: Granulosa Cell Tumor: Ben										
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		
*: Denominator is number of animals		examined microscopically								

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	rol Animal Groups		Page: 302 Report Dat	te: 03/20/2010 SD 0% SD 0% SD 0% SD 0%	
			Male				Female		
*Ovary: Granulosa-Theca Tumor Be	anian								
Granulosa-meca rumor Be	enign					0/50 (0%)			
Overall Incidence					Total	0/50 (0%)	Mean 0%		
*Ovary: Granulosa-Theca Tumor Ma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Tubulostromal Adenoma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%		
*Pancreas: Adenoma									
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Pancreas: Carcinoma									
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Pancreas: Carcinoma or Adenoma		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				logy Data Manageme nce for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		•	e: 03/20/2010	
			Male			Female 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/45 (0%) 0/45 (0%) Mean 0% SD 0% 36/50 (72%) 36/50 (72%) Mean 72% SD 0% 2/50 (4%) 2/50 (4%) Mean 4% SD 0%			
Pancreas: Mixed Tumor Benign		1/50 (2%)				()			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
Pancreas: Mixed Tumor Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total				
Parathyroid Gland: Adenoma Overall Incidence	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%	Total	0/45 (0%)			
						()			
Pituitary Gland: Pars Distalis o Adenoma	or Unspec	ified Site: 34/49 (69%)				26/50 (72%)			
Overall Incidence	Total	34/49 (69.39%)	Mean 69.39%	SD 0%	Total	()	Mean 72%	SD 0%	
Pituitary Gland: Pars Distalis o Carcinoma									
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	· · · ·	Mean 4%	SD 0%	
Pituitary Gland: Pars Distalis o Carcinoma or Adenoma									
		34/49 (69%)				38/50 (76%)			
Overall Incidence	Total	34/49 (69.39%)	Mean 69.39%	SD 0%	Total	38/50 (76%)	Mean 76%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	L ab: All Laboratories RATS 344/N			ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 304 Report Date: 03/20/2010 Female Mean 0% SD 0%				
			Male				Report Date: 03/20/2010 Female				
*Pituitary Gland: Pars Distalis or Unspecified Site: Ganglioneuroma											
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Pituitary Gland: Pars Interm Adenoma	edia:	0/40 (00/)				1/50 (29/)					
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%			
*Pituitary Gland: Pars Interm Carcinoma or Adenoma Overall Incidence	edia: Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)					
Pituitary Gland: Pars Nervos Craniopharyngioma Overall Incidence	sa: Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%			
Prostate: Adenoma Dverall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%							
Prostate: Carcinoma or Adenoma		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%							

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONE	ol Animal Groups		Page: 305 Report Date: 03/20/2010				
			Male			Inimal Groups Female 0/50 (0%) Female Total 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SE 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SE 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SE 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SE					
*Salivary Glands: Carcinoma		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Carcinoma or Adenoma		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%		0/50 (0%)		SD 0%			
*Salivary Glands: Sarcoma		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Schwannoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
#Seminal Vesicle: Adenoma		. ,				·····					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%							
#Skeletal Muscle: Fibrous Histiocytoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 306 Report Date: 03/20/2010 Female Mean 0% SD 0% Mean 0% SD 0%			
			Male				Female Mean 0% SD 0% Mean 0% SD 0% Mean 0% SD 0% Mean 0% SD 0% Mean 2% SD 0% Mean 2% SD 0%			
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skeletal Muscle: Rhabdomyosarcoma or Rha						0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skin: Basal Cell Adenoma		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
#Skin: Basal Cell Adenoma or Bas		Tumor Benign								
Quarall Incidence	Total	0/50 (0%)	Maan Ol	SD 0%	Total	1/50 (2%)	Maan 20/	SD 00/		
Overall Incidence	Total	0/50 (0%)	Mean 0%		Total	1/50 (2%)	iviean 2%	עס עס		
#Skin: Basal Cell Adenoma, Basos	squamous Ti		pithelioma			1/50 (29/)				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		
*: Denominator is number of animals #: Denominator is number of animals	s with tissues e									

Version: Mar2010 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	5			nce for Selected Contr Route: SKIN	ol Animal Groups		Page: 307 Report Date: 03/20/2010 Female Mean 0% SD 0% Mean 0% SD 0%			
			Male				Report Date: 03/20/2010 Female Mean 0% SD 0%			
#Skin: Basal Cell Carcinoma				Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Report Date: 03 fale Female % SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% % SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% % SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% malignant or 1/50 (2%) % Mean 2% Adenoma, 1/50 (2%) 1/50 (2%) Mean 2% % SD 0% Total 1/50 (2%) 1/50 (2%) Mean 2% % SD 0% Total 1/50 (2%) 1/50 (2%) Mean 2% % SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0%						
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%				Mean 0%	SD 0%		
#Skin:										
Basal Cell Carcinoma or E	asosquamou	Is Tumor (malignant or N 0/50 (0%)	IOS)			0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%			0/50 (0%)	Mean 0%	SD 0%		
#Skin: Basal Cell Carcinoma, Bas NOS), or Trichoepitheliom		oma, Basosquamous Tur 0/50 (0%)	mor (benign, maligna	ant or		1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%			1/50 (2%)	Mean 2%	SD 0%		
#Skin: Basal or Sq. Cell Carcinor Adenoma, Papilloma, Sq I Overall Incidence	na, Carcinoma	a, Basosq. Tumor (M or I	B), Basal Cell Adeno	ma,		()	Mean 2%	SD 0%		
#Skin: Fibroma		4/50 (8%)				0/50 (0%)				
	Total	4/50 (8%)	Mean 8%			0/50 (0%)	Mean 0%	SD 0%		
Overall Incidence										
						0/50 (0%)				

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE					e: 03/20/2010
			Male			Female 0/50 (0%) 0/50 (0%) Mean 0% SD 0%		
#Skin: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	SD 0%
		0,00 (0,0)				· · ·		
#Skin: Fibrosarcoma, Sarcoma, My	vxosarcoma	, or Fibrous Histiocytoma 0/50 (0%)	1			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%
#Skin: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	SD 0%
#Skin: Hemangioma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	SD 0%
#Skin: Keratoacanthoma		4/50 (8%)				0/50 (0%)		
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 309 Report Date: 03/20/2010 Female Mean 0% SD 0% Mean 0% SD 0% Mean 0% SD 0%			
			Male			Report Date: 03/20/2010 Female 50 (0%) Mean 0% SD 0% 50 (0%) Mean 0% SD 0%				
#Skin: Lipoma		2/50 (4%)				0/50 (0%)				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skin: Liposarcoma		0/50 (0%)								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)				
#Skin: Neural Crest Tumor Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total					
#Skin: Neural Crest Tumor, Maligna Overall Incidence	ant Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Moon 0%	SD 0%		
	10tai	0/50 (0%)		50 0%	ı olar	0/50 (0%)		50 0%		
#Skin: Neurofibroma or Schwanno	ma benign	0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)		SD 0%		
#Skin: Neurofibrosarcoma or Schw						0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*: Denominator is number of animals	with tissues ex									

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	rol Animal Groups		Page: 310 Report Date: 03/20/2010 Female Mean 2% SD 0% Mean 0% SD 0%				
			Male				Female				
#Skin: Neurofibrosarcoma, Neurof	ibroma, or S	chwannoma (benign, ma 0/50 (0%)	alignant or NOS)			1/50 (2%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)					
#Skin: Sarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Skin: Schwannoma Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%			
Skin: Schwannoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
≮Skin: Squamous Cell Carcinoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Skin: Squamous Cell Carcinoma, or Carcinoma						0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*: Denominator is number of animals #: Denominator is number of animals											

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme Ince for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 311 Report Dat	e: 03/20/2010	
			Male		Female 0/50 (0%) Total 0/50 (0%) 0/50 (0%) Mean 0% SE 0/50 (0%) Mean 0% SE				
#Skin: Squamous Cell Papilloma		1/50 (2%)			Total 0/50 (0%) 0/50 Total 0/50 (0%) 0/50 Total 0/50 (0%)	· · /			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	l otal	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Papilloma c	r Papilloma	1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	()	Mean 0%	SD 0%	
#Skin: Squamous Cell Papilloma, Overall Incidence	Total	5/50 (10%) 5/50 (10%)	Mean 10%	SD 0%		0/50 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Papilloma, I									
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Trichoepithelioma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Sebaceous Gland: Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE				Page: 312 Report Date: 03/20/2010 Female				
			Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Report Date: 0 Male Female Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0%								
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (0%)				. ,					
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%			
#Spinal Cord: Astrocytoma Benign		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)				. ,		SD 0%			
#Spinal Cord: Astrocytoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%			0/50 (0%)		SD 0%			
#Spinal Cord: Glioma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)		SD 0%	Total	()	Mean 0%	SD 0%			
*Spleen: Fibrosarcoma		0/50 (0%)				()					
Overall Incidence	Total	0/50 (0%)				. ,		SD 0%			
*Spleen: Fibrous Histiocytoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 313 Report Date: 03/20/2010					
			Male				Female	
*Spleen: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
		0,00 (0,0)					·······································	
*Spleen: Leiomyosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Spleen: Sarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Leiomyosarcoma Dverall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma c						0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*: Denominator is number of animals #: Denominator is number of animals	with tissues e							

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 314 Report Date: 03/20/2010							
			Male			Female				
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Stomach, Glandular: Carcinoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Stomach, Glandular: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Stomach, Glandular: Lipoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Stomach, Glandular: Sarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
'Testes: Adenoma		27/50 (54%)								
Overall Incidence	Total	27/50 (54%)	Mean 54%	SD 0%						

Version: Mar2010 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	95		Page: 315 Report Date: 03/20/2010					
			Male		Female			
*Testes: Hemangioma		0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%				
*Thymus: Thymoma Benign		0/45 (0%)				0/47 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant Overall Incidence	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS		0/45 (0%)				0/47 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Maligr	nant, NOS	0/45 (0%)				0/47 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma								
Overall Incidence	Total	8/50 (16%) 8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 316 Report Date: 03/20/2010						
			Male			Female			
*Thyroid Gland: C-Cell: Carcinoma		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		8/50 (16%)				3/50 (6%)			
Overall Incidence	Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%	
*Thyroid Gland: Follicular Cell Adenoma	:	0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: Follicular Cell Carcinoma	:	0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: Follicular Cell Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tissue NOS: Lipoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	5		Page: 317 Report Date: 03/20/2010						
			Male			Female			
#Tissue NOS: Paraganglioma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tongue: Squamous Cell Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tongue: Squamous Cell Carcinoma	ı or Papilloma	a Squamous 1/50 (2%)				0/50 (0%)		00.00/	
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tongue: Squamous Cell Papilloma		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tooth: Adamantinoma Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tooth: Odontoma									
	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%) 0/50 (0%)		SD 0%	

ersion: Mar2010 contract/Lab: All Laboratories pecies: RATS train: F 344/N ength of Study: CHRONIC			Page: 318 Report Date: 03/20/2010					
			Male				Female	
*Urinary Bladder: Carcinoma or Papilloma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
	10(a)	0/30 (078)		30 0%	Total	0/30 (078)		30 0%
*Urinary Bladder: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Leiomyosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Papilloma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma								
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus: Carcinoma						0/50 (001)		
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS	Toxicology Data Management Syster Tumor Incidence for Selected Control Animal Route: SKIN	Tumor Incidence for Selected Control Animal Groups				
Strain: F 344/N	Vehicle: ACETONE					
Length of Study: CHRONIC						
	Male			Female		
#Uterus:						
Deciduoma Benign			0/50 (00/)			
Overall Incidence	1	Fotal	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Hemangioma						
-			0/50 (0%)			
Overall Incidence	٦	Fotal	0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Hemangiosarcoma						
Overall Incidence	1	Fotal	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Leiomyosarcoma						
Leioniyosarcoma			0/50 (0%)			
Overall Incidence	٦	Fotal	0/50 (0%)	Mean 0%	SD 0%	
#Uterus:						
Polyp Stromal			0/50 (100/)			
Overall Incidence		Fotal	9/50 (18%) 9/50 (18%)	Mean 18%	SD 0%	
#Uterus:						
Sarcoma			0/50 (00/)			
Overall Incidence		Total	0/50 (0%)	Moon 0%	SD 09/	
		Fotal	0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2010 Contract/Lab: All Laborato Species: RATS Strain: F 344/N Length of Study: CHRONI				Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE				Page: 320 Report Date: 03/20/2010		
			Male				Female			
#Uterus: Sarcoma Stromal										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Sarcoma Stromal or Po	lyp Stromal									
Overall Incidence					Total	9/50 (18%) 9/50 (18%)	Mean 18%	SD 0%		
#Uterus: Schwannoma Malignan	t									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Vagina: Polyp										
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		
#Vagina: Sarcoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Zymbal's Gland: Adenoma										
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
						. ,		50 0%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incide	Page: 321 Report Date: 03/20/2010				
			Male		Female			
#Zymbal's Gland: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma		4/50 (20/)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Columbus Laboratory	059902805	09/16/02	729	50(1)	21(676)	506.2	bis(2-Chloroethoxy)methane
Battelle Columbus Laboratory	059700307	07/10/02	728	50(1)	25(680)	510.4	1,2-Dibromo-2,4-dicyanobutane
Battelle Columbus Laboratory	059903203	09/15/04	727	50(1)	23(651)	510.1	Pyrogallol
					Female		
Battelle Columbus Laboratory	059902805	09/17/02	730	50(1)	19(646)	341.0	bis(2-Chloroethoxy)methane
Battelle Columbus Laboratory	059700307	07/11/02	729	50(1)	29(695)	337.8	1,2-Dibromo-2,4-dicyanobutane
Battelle Columbus Laboratory	059903203	09/16/04	728	50(1)	29(670)	351.0	Pyrogallol

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 323 Report Date: 03/20/2010				
			Male				Female	
#All Organs: Benign Tumors		49/50 (98%)	46/50 (92%)	47/50 (94%)		37/50 (74%)	46/50 (92%)	43/50 (86%)
Overall Incidence	Total	142/150 (94.67%)	Mean 94.67%	SD 3.06%	Total	126/150 (84%)	Mean 84%	SD 9.17%
#All Organs: Malignant Tumors		26/50 (52%)	23/50 (46%)	22/50 (44%)		19/50 (38%)	15/50 (30%)	12/50 (24%)
Overall Incidence	Total	71/150 (47.33%)	Mean 47.33%	SD 4.16%	Total	46/150 (30.67%)	Mean 30.67%	SD 7.02%
#All Organs: Malignant and Benign Tumo Overall Incidence	o rs Total	49/50 (98%) 148/150 (98.67%)	50/50 (100%) Mean 98.67%	49/50 (98%) SD 1.15%	Total	44/50 (88%) 137/150 (91.33%)	48/50 (96%) Mean 91.33%	45/50 (90%) SD 4.16%
#All Organs: Hemangioma Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#All Organs:								
Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#All Organs: Hemangiosarcoma or Hema		(/		1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN

Vehicle: ETHANOL

			Male				Female	
#All Organs: Histiocytic Sarcoma		1/50 (2%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
All Organs: Leukemia: Erythrocytic								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
All Organs: Leukemia: Lymphocytic,		ononuclear, or Undiffere		11/50 (22%)		12/50 (24%)	10/50 (20%)	8/50 (16%)
Overall Incidence	Total	45/150 (30%)	Mean 30%	SD 6.93%	Total	30/150 (20%)	Mean 20%	SD 4%
All Organs: Malignant Lymphoma: Hi	stiocytic, Lym	nphocytic, Mixed, NOS, o 0/50 (0%)	r Undifferentiated Cel 0/50 (0%)	I Type 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
All Organs: Mesothelioma: Benign								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
All Organs: Mesothelioma: Benign, N	lalignant, NOS		4/50 (001)	0/50 / ////		0/50 (001)	0/50 (00/)	0/50 /00 ⁽¹⁾
		2/50 (4%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Tumor Incidence for Selected Control Animal Groups Route: SKIN							Report Date: 03/20/2010		
			Vehicle: ETHANOL						
		Male				Female			
	2/50 (49/)	0/50 (09/.)	2/50 (49()		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%		
Tatal		()	· · ·	T . (.)	()	()	1/50 (2%)		
l otal	(/				()	Mean 0.67%	SD 1.15%		
	0/50 (09/)	0/50 (0%)	0/50 (09())		0/50 (00/.)	0/50 (0%/)	0/50 (00/.)		
Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	0/50 (0%) SD 0%		
							1/50 (2%)		
Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
Total		. ,	, ,	Total	, ,	()	1/50 (2%) SD 1.15%		
	()				()		J. 1.13%		
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Total	()	()	· · ·	Total	0/150 (0%)	Mean 0%	SD 0%		
	Total Total Total Total	$\begin{array}{cccc} 0/50 & (0\%) \\ Total & 0/150 & (0\%) \\ \end{array} \\ \begin{array}{c} 0/50 & (0\%) \\ Total & 0/150 & (0\%) \\ \end{array} \\ \begin{array}{c} 0/50 & (0\%) \\ \end{array} \\ Total & 0/150 & (0\%) \\ \end{array} \\ \begin{array}{c} 0/50 & (0\%) \\ \end{array} \\ \begin{array}{c} 0/50 & (0\%) \\ \end{array} \\ \end{array} \\ \begin{array}{c} 0/50 & (0\%) \\ \end{array} \end{array}$	Male 2/50 (4%) 0/50 (0%) Total 4/150 (2.67%) Mean 2.67% 0/50 (0%) 0/50 (0%) Mean 2.67% Total 0/50 (0%) 0/50 (0%) Total 0/150 (0%) Mean 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% Total 0/150 (0%) Mean 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% 0/50 (0%) Mean 0% Mean 0% Total 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%) Mean 2% 0/50 (0%) 0/50 (0%) Mean 2%	Route: SKIN Vehicle: ETHANOL Male Male 1 2/50 (4%) 0/50 (0%) 2/50 (4%) Total 4/150 (2.67%) Mean 2.67% SD 2.31% SD 2.31% Total 0/50 (0%) 0/50 (0%) SD 0% SD 0% Total 0/150 (0%) 0/50 (0%) SD 0% SD 0% Total 0/150 (0%) 0/50 (0%) SD 0% SD 0% Total 0/150 (0%) 0/50 (0%) SD 0% SD 0% Total 0/50 (0%) 0/50 (0%) SD 0% SD 0% Total 0/50 (0%) 3/50 (6%) 0/50 (0%) Total 0/50 (0%) 3/50 (6%) SD 0% SD 0% Total 0/50 (0%) 3/50 (6%) SD 3.46% SD 3.46% 0/50 (0%) 0/50 (0%) 0/50 (0%)	Route: SKIN Vehicle: ETHANOL Male 2/50 (4%) 0/50 (0%) 2/50 (4%) Total 1 2/50 (2.67%) Mean 2.67% SD 2.31% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Total Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/50 (0%) 0/50 (0%) 3/50 (6%) 0/50 (0%) Total 0/50 (0%) 0/50 (0%) 3/50 (6%) 0/50 (0%) Total	Route: SKIN Vehicle: ETHANOL Male 2/50 (4%) 0/50 (0%) 2/50 (4%) 0/50 (0%) 0/50 (0%) Total 4/150 (2.67%) Mean 2.67% SD 2.31% Total 0/150 (0%) Total 0/150 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/150 (0%) Total 0/150 (0%) Mean 0% SD 0% Total 1/150 (0.67%) Total 0/150 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%) Total 0/150 (0%) 3/50 (6%) 0/50 (0%) Total 0/150 (0%) Total 0/150 (0%) 3/50 (6%) 0/50 (0%) Total 1/150 (0.67%) Total 0/150 (0%) 3/50 (6%) SD 3.46% Total 1/150 (0.67%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Route: SKIN Vehicle: ETHANOL Male Female 1 2/50 (4%) 4/150 (2.67%) 0/50 (0%) Mean 2.67% 2/50 (4%) SD 2.31% 0/50 (0%) Total 0/50 (0%) 0/150 (0%) 0/50 (0%) Mean 0% 0/50 (0%) SD 0% 0/150 (0%) Total 0/50 (0%) 0/150 (0%) 0/50 (0%) Mean 0% 0/50 (0%) SD 0% 0/50 (0%) Total 0/50 (0%) 0/150 (0%) 0/50 (0%) Mean 0% 0/50 (0%) SD 0% 0/50 (0%) Total 0/50 (0%) 0/150 (0%) 0/50 (0%) Mean 0% 0/50 (0%) SD 0% 0/50 (0%) Total 0/50 (0%) 0/150 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%) 0/150 (0%) 0/50 (0%) Mean 0% 0/50 (0%) SD 0% 0/50 (0%) Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0.67% 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) SD 0% 0/50 (0%) Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0.67% 0/50 (0%) 0/50 (0%) Mean 2% 0/50 (0%) SD 3.46% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0.67%		

Toxicology Data Management System

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*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN

Vehicle: ETHANOL

			Male				Female	
*Adrenal Medulla: Ganglioneuroma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Hemangioma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Adrenal Medulla: Pheochromocytoma Ber	nign							
Overall Incidence	Total	3/50 (6%) 12/150 (8%)	5/50 (10%) Mean 8%	4/50 (8%) SD 2%	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%
Adrenal Medulla: Pheochromocytoma Cor	mplex	0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 /00/)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Adrenal Medulla: Pheochromocytoma Mal								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Adrenal Medulla: Pheochromocytoma: Be	nign, Complex	κ, Malignant, NOS						
Overall Incidence	Total	3/50 (6%) 13/150 (8.67%)	5/50 (10%) Mean 8.67%	5/50 (10%) SD 2.31%	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 327 Report Date: 03/20/2010					
			Male		Female			
#Bone: Chondrosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Chondrosarcoma or Chondi	roma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Chordoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Bone: Osteoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Bone: Osteosarcoma	10121	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma or Osteoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN

Page: 328 Report Date: 03/20/2010

Vehicle: ETHANOL

			Male				Female	
Brain: Astrocytoma Malignant		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Ependymoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Ependymoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Glioma Malignant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Brain: Granular Cell Tumor Benig	ın							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Brain: Medulloblastoma Mal		0/50 (00/)						
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 329 Report Date: 03/20/2010							
			Male			Female				
*Brain: Oligodendroglioma Benign	I	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
*Brain: Oligodendroglioma Malign		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
*Brain: Oligodendroglioma, Glioma Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%		
'Brain: Osteosarcoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
'Brain: Schwannoma Malignant		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%		
*Clitoral/Preputial Gland: Adenoma		2/50 (4%)	2/50 (4%)	0/50 (0%)		2/50 (4%)	6/50 (12%)	3/50 (6%)		
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	11/150 (7.33%)	Mean 7.33%	SD 4.16%		

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 330 Report Date: 03/20/2010					
			Male	Female				
*Clitoral/Preputial Gland: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
*Clitoral/Preputial Gland: Carcinoma or Adenoma		0/50 (40%)		0/50 (0%)			0/50 (40%)	4/50 (00/)
Overall Incidence	Total	2/50 (4%) 4/150 (2.67%)	2/50 (4%) Mean 2.67%	0/50 (0%) SD 2.31%	Total	2/50 (4%) 12/150 (8%)	6/50 (12%) Mean 8%	4/50 (8%) SD 4%
*Clitoral/Preputial Gland: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Clitoral/Preputial Gland: Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Ear: Neural Crest Tumor		2/52 (22/)					0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Esophagus: Fibrosarcoma		0/50 (00/)	0/50 (00/)	0/50 (0%)		0/50 (0%)	0/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

			TOXICOI	r age. 001						
Contract/Lab: All Laboratories	S	Tumor Incidence for Selected Control Animal Groups						Report Date: 03/20/2010		
Species: RATS										
Strain: F 344/N				Vehicle: ETHANC	DL					
Length of Study: CHRONIC					-					
Longin of Olday: of internet										
			Male		Female					
#Esophagus: Lipoma										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Eye: Melanoma Malignant										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Eye: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Harderian Gland: Carcinoma										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Harderian Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	. ,	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
		0/150 (0%)		0% עכ	1 Uldi	0/100 (0%)		עס עס		
*Heart: Schwannoma Benign										
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		

SD 2.31%

Total

0/150 (0%)

Toxicology Data Management System

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Mean 0%

SD 0%

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*: Denominator is number of animals with tissues examined microscopically

Total

2/150 (1.33%)

Mean 1.33%

#: Denominator is number of animals necropsied

Overall Incidence

Version: Mar2010

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 332 Report Date: 03/20/2010							
			Male			Female				
*Heart: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Intestine Large: Colon/Rectu Adenoma										
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%		
#Intestine Large: Colon/Rectu Carcinoma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Intestine Large: Colon/Rectu Carcinoma or Adenoma										
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%		
#Intestine Large: Colon/Rectu Hemangioma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Intestine Small: Duodenum: Carcinoma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

Page: 333 Report Date: 03/20/2010

			Male				Female	
#Intestine Small: Duodenum: Leiomyoma								
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%	,	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		0/150 (0%)			Total	()		
#Intestine Small: Ileum: Adenoma		0(50 (00())	0/50 (00/)	0/50 /00/	χ.	0/50 (00/)	0/50 (00/)	1/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%) Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
		0/150 (0%)		50 0%	TOLA	1/150 (0.67%)	Wean 0.67%	50 1.15%
#Intestine Small: Jejunum: Carcinoma				- (= (,			
Overall Insidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fIntestine Small: Jejunum: Granular Cell Tumor Maligr	nant							
		1/50 (2%)	0/50 (0%)	0/50 (0%	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
≇Intestine Small: Jejunum: Leiomyoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN

Vehicle: ETHANOL

Page: 334 Report Date: 03/20/2010

			Male				Female	
#Intestine Small: Site Uns Adenoma	specified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Intestine Small: Site Uns Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Carcinoma or Adenoma	•	0/50 (00/)				0/50 (0%)	0/50 (00/.)	4/50 (20/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Intestine Small: Site Uns Granular Cell Tumor Ma	alignant	1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Leiomyoma	specified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Leiomyosarcoma	specified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN

Page: 335 Report Date: 03/20/2010

			Male				Female	
Islets, Pancreatic: Adenoma								
Overall Incidence	Total	3/50 (6%) 12/150 (8%)	6/50 (12%) Mean 8%	3/50 (6%) SD 3.46%	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%
	10lai	12/130 (0%)		5D 5.40%		2/150 (1.55%)		SD 2.31%
lslets, Pancreatic: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Islets, Pancreatic: Carcinoma or Adenoma								
		3/50 (6%)	6/50 (12%)	3/50 (6%)		1/50 (2%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	12/150 (8%)	Mean 8%	SD 3.46%	Total	3/150 (2%)	Mean 2%	SD 2%
Kidney: Pelvis and Transitio Carcinoma		ım:						
Nonell Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transitio Carcinoma or Adenoma	nal Epitheliu	im:						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transitio Papilloma		ım:						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Vehicle: ETHANOL

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

Page: 336 Report Date: 03/20/2010

			Male				Female		
*Kidney: Renal Tubule: Adenoma									
• ••• ••		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
Kidney: Renal Tubule: Carcinoma									
	T ()	0/50 (0%)	0/50 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Carcinoma or Adenoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
Kidney: Renal Tubule: Lipoma									
Overell Insidence	Tetal	1/50 (2%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
*Kidney: Renal Tubule: Mesenchymal Tumor Benigi	ı	0/50 /00/1	4/50 (001)	0/50 /00/)		0/50 (00/)		0/50 (00/)	
	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Page: 337 Report Date: 03/20/2010				
			Male				Female	
*Kidney: Renal Tubule: Mesenchymal Tumor Maligr	nant	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Nephroblastoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Sarcoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
		. ,				1/130 (0.07 %)		30 1.13%
*Liver: Cholangioma Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	Total	0/150 (0%)		SD 0%	Total	0/150 (0%)	Mean 0%	50 0%
*Liver: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Adenoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

Page: 338 Report Date: 03/20/2010

			Male				Female	
*Liver: Hepatocellular Carcinom	a							
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinom	a or Hepatobl	astoma						
	•	0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcinom Overall Incidence	a or Hepatoce Total	ellular Adenoma 0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%
*Liver: Hepatocellular Carcinom	a, Hepatocellı	• •		1/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (40/)
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%
		()		30 1.13%	10tai	2/130 (1.3376)		
*Liver: Ito Cell Tumor Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar Ade	enoma							
	e noma Total	4/50 (8%) 6/150 (4%)	1/50 (2%) Mean 4%	1/50 (2%) SD 3.46%	Total	0/50 (0%) 4/150 (2.67%)	4/50 (8%) Mean 2.67%	0/50 (0%) SD 4.62%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 339 Report Da	te: 03/20/2010			
			Male				Female	
*Lung: Alveolar/Bronchiolar Carcin	oma	1/50 (2%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	5/150 (3.33%)	Mean 3.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Lung: Alveolar/Bronchiolar Carcin	oma or Alv	veolar/Bronchiolar Adenor 5/50 (10%)	ma 2/50 (4%)	4/50 (8%)		0/50 (0%)	4/50 (8%)	0/50 (0%)
Overall Incidence	Total	11/150 (7.33%)	Mean 7.33%	SD 3.06%	Total	4/150 (2.67%)	Mean 2.67%	SD 4.62%
*Lung: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Lung: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Lung: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Lymph Node: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

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			Male				Female	
#Mammary Gland: Adenolipoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%
Mammary Gland: Carcinoma		0/50 (00%)	0/50 (00/)	4/50 (00/)		4/50 (00)	0/50 (481)	4/50 (08/)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 4/150 (2.67%)	2/50 (4%) Mean 2.67%	1/50 (2%) SD 1.15%
Mammary Gland: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 7/150 (4.67%)	3/50 (6%) Mean 4.67%	3/50 (6%) SD 2.31%
Mammary Gland: Fibroadenoma								
Overall Incidence	Total	3/50 (6%) 4/150 (2.67%)	1/50 (2%) Mean 2.67%	0/50 (0%) SD 3.06%	Total	16/50 (32%) 54/150 (36%)	14/50 (28%) Mean 36%	24/50 (48%) SD 10.58%
Mammary Gland: Fibroma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 341 Report Date: 03/20/2010			
			Male				Female	
#Mammary Gland: Fibroma, Fibroadenoma or	Adenoma	3/50 (6%)	1/50 (2%)	0/50 (0%)		16/50 (32%)	15/50 (30%)	25/50 (50%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	56/150 (37.33%)	Mean 37.33%	SD 11.02%
#Mammary Gland: Fibroma, Fibroadenoma, Ca							47/50 (0.40/)	00/50 /50%()
Overall Incidence	Total	3/50 (6%) 5/150 (3.33%)	1/50 (2%) Mean 3.33%	1/50 (2%) SD 2.31%	Total	17/50 (34%) 60/150 (40%)	17/50 (34%) Mean 40%	26/50 (52%) SD 10.39%
#Mesentery: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Mesentery: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Mesentery: Lipoma		()		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Mesentery: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN

Vehicle: ETHANOL

			Male				Female	
*Nose: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
'Nose: Chondroma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Nose: Squamous Cell Carcine	oma							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Oral Cavity (Oral Mucos Papilloma Squamous c	a, Tongue, Phar			0/50 (00/)		(20)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Oral Cavity (Oral Mucos Squamous Cell Carcine	a, Tongue, Phar	ynx, Tooth, Gingiva):						
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Oral Cavity (Oral Mucos Squamous Cell Carcino		ynx, Tooth, Gingiva): Squamous, or Papilloma 0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (00/)	0/50 (0%)
							0/50 (0%)	

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 343 Report Date: 03/20/2010					
			Male		Female			
#Oral Mucosa: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Oral Mucosa: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Ovary: Cystadenoma						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/150 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor Ben	ign					0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence					Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Ovary: Granulosa Cell Tumor Mali	gnant							
Overall Incidence					Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
*Ovary: Granulosa Cell Tumor: Ber								
Overall Incidence					Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
*: Denominator is number of animal	s with tissues e	examined microscopically						

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	3		Toxicolo Tumor Inciden	Page: 344 Report Da	te: 03/20/2010				
			Male				Female		
*Ovary: Granulosa-Theca Tumor B	enign								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Ovary: Granulosa-Theca Tumor M									
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Ovary: Tubulostromal Adenoma									
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Pancreas: Adenoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Pancreas: Carcinoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Pancreas: Carcinoma or Adenoma		0/50 /00//	0/50 (00()	0/50 /0%()			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

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			Male				Female	
*Pancreas: Mixed Tumor Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Malignant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Parathyroid Gland: Adenoma								
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/43 (0%) 0/138 (0%)	0/46 (0%) Mean 0%	0/49 (0%) SD 0%
Pituitary Gland: Pars Dista Adenoma	lis or Unspe	cified Site:						
Overall Incidence	Total	35/49 (71%) 100/149 (67.11%)	32/50 (64%) Mean 67.14%	33/50 (66%) SD 3.84%	Total	22/50 (44%) 82/150 (54.67%)	35/50 (70%) Mean 54.67%	25/50 (50%) SD 13.61%
Pituitary Gland: Pars Dista Carcinoma								
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Pituitary Gland: Pars Dista Carcinoma or Adenoma								
Overall Incidence	Total	35/49 (71%) 100/149 (67.11%)	32/50 (64%) Mean 67.14%	33/50 (66%) SD 3.84%	Total	22/50 (44%) 82/150 (54.67%)	35/50 (70%) Mean 54.67%	25/50 (50%) SD 13.61%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ogy Data Management ace for Selected Control / Route: SKIN Vehicle: ETHANOL	Page: 346 Report Date: 03/20/2010			
			Male				Female	
*Pituitary Gland: Pars Distalis Ganglioneuroma	s or Unspeci							
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Pituitary Gland: Pars Intermo Adenoma			0/50 /00/1			4/50 (00/.)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/49 (0%) 1/149 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Pituitary Gland: Pars Intermo Carcinoma or Adenoma		0/49 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/149 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Pituitary Gland: Pars Nervos Craniopharyngioma						0/50 (00/.)	0/50 (0%)	0/50 (09()
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Prostate: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%				
Prostate: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%				

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL						Page: 347 Report Date: 03/20/2010		
			Male				Female		
*Salivary Glands: Carcinoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Salivary Glands: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Salivary Glands: Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Salivary Glands: Schwannoma Malignant		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
#Seminal Vesicle: Adenoma		- / / /	- /=- ()						
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%					
#Skeletal Muscle: Fibrous Histiocytoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

#: Denominator is number of animals necropsied

Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL						Report Da	te: 03/20/2010
			Male				Female	
#Skeletal Muscle: Hemangiosarcoma		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skeletal Muscle: Rhabdomyosarcoma or Rha Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)		0/50 (0%) SD 1.15%
¥Skin: Basal Cell Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma or Bas	osquamous	s Tumor Benign 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma, Basos			pithelioma	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)		SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

Toxicology Data Management System

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*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL						te: 03/20/2010
			Male				Female	
#Skin: Basal Cell Carcinoma		0/50 (00/)	0/50 (00/)	0/50 /00/)		0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Skin:								
Basal Cell Carcinoma or Ba	sosquamo	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Basal Cell Carcinoma, Basa NOS), or Trichoepithelioma Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Skin: Basal or Sq. Cell Carcinoma Adenoma, Papilloma, Sq Pa	a, Carcinom	na, Basosq. Tumor (M or E eratoacanthoma, Trichoep	3), Basal Cell Adenon bithelioma	na,				
Overall Incidence	Total	2/50 (4%) 7/150 (4.67%)	2/50 (4%) Mean 4.67%	3/50 (6%) SD 1.15%	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%
#Skin: Fibroma								
		1/50 (2%)	7/50 (14%)	1/50 (2%)		2/50 (4%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	9/150 (6%)	Mean 6%	SD 6.93%	Total	3/150 (2%)	Mean 2%	SD 2%
#Skin: Fibroma, Fibrosarcoma, Sa		oma, Myxosarcoma, or F					0/50 (0%)	1/50 (20/.)
Overall Incidence	Total	3/50 (6%) 12/150 (8%)	Mean 8%	1/50 (2%) SD 7.21%	Total	2/50 (4%) 3/150 (2%)	0/50 (0%) Mean 2%	1/50 (2%) SD 2%

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 350 Report Date: 03/20/2010				
			Male		Female			
#Skin: Fibrosarcoma	Tatal	2/50 (4%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Fibrosarcoma, Sarcoma, M Overall Incidence	Total	2/50 (4%) 3/150 (2%)	1/50 (2%) Mean 2%	0/50 (0%) SD 2%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Hemangioma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma		0/50 (0%)	2/50 (4%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

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			Male				Female	
#Skin: Lipoma		0/50 /00/)	4/50 (00/)	0/50 /00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≭Skin: Liposarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
/Skin: Neural Crest Tumor		0/50 (00%)	0/50 (00/)	0/50 /00/)		0/50 (00%)	0/50 (00/.)	0/50 (00/.)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
∜Skin: Neural Crest Tumor, Ma	lignant							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≮Skin: Neurofibroma or Schwa								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≴Skin: Neurofibrosarcoma or S	chwannoma (r		4/50 (00 ⁻¹)	0/50 (00)		0/50 (00)	0/50 (00/)	4/50 (00/)
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	s			Page: 352 Report Dat	te: 03/20/2010			
			Male				Female	
#Skin: Neurofibrosarcoma, Neur	ofibroma, or :	Schwannoma (benign, ma 1/50 (2%)	lignant or NOS) 2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Schwannoma Benign		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Malignant		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Squamous Cell Carcinom	a		- / / /					- /
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
#Skin: Squamous Cell Carcinom or Carcinoma	a, Basal Cell	Carcinoma, Basosquamou				0/50 (00()	4/50 (00/)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

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			Male				Female	
#Skin: Squamous Cell Papilloma	3							
-		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma	a or Papilloma	a						
	•	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Overall Incidence	Total	1/50 (2%) 6/150 (4%)	2/50 (4%) Mean 4%	3/50 (6%) SD 2%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
	Total		()	()	Total	()	()	()
#Skin: Squamous Cell Papilloma	ı, Papilloma, c			- ()		- / /	- / /	- / /)
		0/50 (0%)	2/50 (4%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/150 (2 22%)	Moon 2 220/	SD 3 06%	Total	0/150 (0%)	Moon 0%	SD 0%
Overall Incidence	Total	5/150 (3.33%)	Mean 3.33%	SD 3.06%	Total	0/150 (0%)	Mean 0%	SD 0%
Overall Incidence #Skin: Trichoepithelioma		. ,		SD 3.06%	Total	0/150 (0%)	Mean 0%	SD 0%
¢Skin: Trichoepithelioma		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
#Skin: Trichoepithelioma					Total Total			
#Skin:		1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%		0/50 (0%) 0/150 (0%)	0/50 (0%)	0/50 (0%) SD 0%
#Skin: Trichoepithelioma Overall Incidence #Skin: Sebaceous Gland:		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

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			Male				Female	
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%	6)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
≭Spinal Cord: Astrocytoma Benign		0/50 (0%)	0/50 (0%)	0/50 (0%		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
≮Spinal Cord: Astrocytoma Malignant		1/50 (2%)	0/50 (0%)	0/50 (0%	······	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	•) Total	0/150 (0%)	Mean 0%	SD 0%
Spinal Cord: Glioma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%	······	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	•) Total	0/150 (0%)	Mean 0%	SD 0%
Spleen: Fibrosarcoma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0% SD 1.15%	6) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Spleen: Fibrous Histiocytoma				- / /				
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%	6) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN

Vehicle: ETHANOL

			Male				Female	
*Spleen: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Spleen: Leiomyosarcoma		- ()	- / /	()		- / /	- / / /	- / / /
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Spleen: Sarcoma								
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
fStomach, Forestomach: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Stomach, Forestomach: Squamous Cell Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma		a Squamous					- /	- /
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

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			Male				Female	
Stomach, Forestomach: Squamous Cell Papilloma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
						()		
fStomach, Glandular: Carcinoma								
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		1/150 (0.67%)		50 1.15%	10tai	0/150 (0%)	wean 0%	50 0%
Stomach, Glandular: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
						. ,		
Stomach, Glandular: Lipoma		0/50 (00/)	0/50 (00()			0/50 (00/)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	10tai	0/150 (0%)			ı ulaı	0/150 (0%)		30 0%
tStomach, Glandular: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Testes: Adenoma								
		30/50 (60%)	37/50 (74%)	37/50 (74%)				
Overall Incidence	Total	104/150 (69.33%)	Mean 69.33%	SD 8.08%				

*: Denominator is number of animals with tissues examined microscopically

			ogy Data Management ice for Selected Control / Route: SKIN Vehicle: ETHANOL		Page: 357 Report Date: 03/20/2010		
		Male	Female				
	0/50 (0%)	0/50 (0%)	1/50 (2%)				
Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%				
	0/49 (0%)	0/49 (0%)	0/47 (0%)		0/49 (0%)	0/45 (0%)	1/50 (2%)
Total	0/145 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.67%	SD 1.15%
	0/49 (0%)	0/49 (0%)	0/47 (0%)		0/49 (0%)	0/45 (0%)	0/50 (0%)
l otal	0/145 (0%)	Mean 0%	SD 0%	ı otal	0/144 (0%)	Mean 0%	SD 0%
	0/49 (0%)	0/49 (0%)	0/47 (0%)		0/49 (0%)	0/45 (0%)	0/50 (0%)
Total	0/145 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
nt, NOS	0/49 (0%)	0/49 (0%)			0/49 (0%)	0/45 (0%)	1/50 (2%)
Total	0/145 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	Mean 0.67%	SD 1.15%
Total	. ,	· ,	()	Total	· · ·	()	7/50 (14%) SD 2%
r	Total Total Total nt, NOS Total	0/49 (0%) Total 0/145 (0%) Total 0/49 (0%) Total 0/145 (0%) Total 0/145 (0%) Total 0/145 (0%) nt, NOS 0/49 (0%) Total 0/145 (0%) 10/50 (20%)	Male 0/50 (0%) 0/50 (0%) Total 1/150 (0.67%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) Total 0/145 (0%) Mean 0% 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/145 (0%) Mean 0% Total 0/145 (0%) 0/49 (0%) 0/49 (0%) 0/145 (0%) Mean 0% mt, NOS 0/49 (0%) 0/49 (0%) 10/50 (20%) 10/50 (20%) 10/50 (20%)	Route: SKIN Vehicle: ETHANOL Male 0/50 0%) 0/50 0%) 1/50 (2%) Total 1/150 (0.67%) Mean 0.67% SD 1.15% 0/49 (0%) 0/49 (0%) 0/47 (0%) Total 0/145 (0%) 0/49 (0%) SD 0/47 (0%) Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 0/145 (0%) Mean 0% SD 0% nt, NOS 0/49 (0%) 0/49 (0%) 0/47 (0%) 10/50 (20%) 10/50 (20%) 9/50 (18%)	Vehicle: ETHANOL Male 0/50 (0%) 0/50 (0%) 1/50 (2%) Total 1/150 (0.67%) Mean 0.67% SD 1.15% Total 0/49 (0%) 0/49 (0%) 0/47 (0%) Total 0/145 (0%) Mean 0% SD 0% Total 10/145 (0%) 0/49 (0%) 0/47 (0%) Total Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 0/145 (0%) Mean 0% SD 0% Total nt, NOS 0/49 (0%) 0/49 (0%) 0/47 (0%) Total 10/50 (20%) 10/50 (20%) 10/50 (20%) 9/50 (18%) Total	Route: SKIN Vehicle: ETHANOL Male 0/50 (0%) 0/50 (0%) 1/50 (2%) Total 1/150 (0.67%) Mean 0.67% SD 1.15% 0/101 0/145 (0%) 0/49 (0%) 0/47 (0%) 0/49 (0%) Total 0/145 (0%) Mean 0% SD 0% Total 0/144 (0.69%) 10150 0/49 (0%) 0/49 (0%) 0/47 (0%) Total 0/144 (0%) Total 0/145 (0%) Mean 0% SD 0% Total 0/149 (0%) 10/145 (0%) 0/49 (0%) 0/49 (0%) 0/47 (0%) Total 0/144 (0%) mt, NOS 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/47 (0%) Total 0/144 (0%) 10/50 (20%) 10/50 (20%) 10/50 (20%) 9/50 (18%) 6/50 (12%)	Route: SKIN Vehicle: ETHANOL Male Female 0/50 (0%) 0/50 (0%) 1/50 (2%) Total 1/150 (0.67%) Mean 0.67% SD 1.15% 0/49 (0%) 0/49 (0%) 0/47 (0%) 0/49 (0%) 0/45 (0%) Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 1/144 (0.69%) Mean 0.67% Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 0/149 (0%) 0/45 (0%) Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 0/144 (0%) Mean 0% Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 0/144 (0%) Mean 0% Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 0/144 (0%) Mean 0% Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 0/144 (0%) Mean 0% Total 0/145 (0%) 0/49 (0%) 0/47 (0%) Total 0/144 (0%) Mean 0% 10/50 (20%) 10/50 (20%) 0/50 (18%) 0/47 (

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL							Page: 358 Report Da	t e: 03/20/2010
<u> </u>			Male	Female					
*Thyroid Gland: C-Cell: Carcinoma		4/50 (00()	0/50 (40/)	0/50	(20())		0/50 (00/)	0/50 (00/)	0/50 /00/)
Overall Incidence	Total	1/50 (2%) 3/150 (2%)	2/50 (4%) Mean 2%	0/50 SD 2%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma									
Overall Incidence	Total	11/50 (22%) 32/150 (21.33%)	12/50 (24%) Mean 21.33%	9/50 SD 3.06%	, D	Total	6/50 (12%) 21/150 (14%)	8/50 (16%) Mean 14%	7/50 (14%) SD 2%
*Thyroid Gland: Follicular Cell Adenoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
*Thyroid Gland: Follicular Cell Carcinoma									
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 SD 1.15%		Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
*Thyroid Gland: Follicular Cell Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 SD 1.15%		Total	2/50 (4%) 3/150 (2%)	0/50 (0%) Mean 2%	1/50 (2%) SD 2%
#Tissue NOS: Lipoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incider	Route: SKIN Vehicle: ETHANOL	Animal Groups		Report Da	te: 03/20/2010
			Male				Female	
#Tissue NOS: Paraganglioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma	or Papillon	na Squamous 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Papilloma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Tooth: Adamantinoma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Tooth: Odontoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

Toxicology Data Management System

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*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2010

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

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			Male				Female	
Urinary Bladder: Carcinoma or Papilloma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Jrinary Bladder: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Jrinary Bladder: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Jrinary Bladder: Papilloma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Jterus: Adenoma								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Uterus: Carcinoma								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Group: Route: SKIN Vehicle: ETHANOL	5	Page: 361 Report Date: 03/20/2010				
	Male		Female				
#Uterus: Deciduoma Benign	Tata	0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%			
#Uterus: Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%			
#Uterus: Hemangiosarcoma				0/50 (00/)			
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
#Uterus: Leiomyosarcoma		0/50 (0%)	0/50 (00/.)	0/50 (0%)			
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
#Uterus: Polyp Stromal							
Overall Incidence	Total	5/50 (10%) 14/150 (9.33%)	2/50 (4%) Mean 9.33%	7/50 (14%) SD 5.03%			
#Uterus: Sarcoma							
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%			
*: Denominator is number of animals with tissues examined mic	croscopically						

Version: Mar2010 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 362 Report Date: 03/20/2010				
			Male				Female	
#Uterus: Sarcoma Stromal								
Overall Incidence					Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
#Uterus: Sarcoma Stromal or Polyp Stro								
Overall Incidence					Total	6/50 (12%) 16/150 (10.67%)	3/50 (6%) Mean 10.67%	7/50 (14%) SD 4.16%
#Uterus: Schwannoma Malignant								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Vagina: Polyp								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Vagina: Sarcoma								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Zymbal's Gland: Adenoma								
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

			••	-		•	te: 03/20/2010
		Male				Female	
	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
	1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) Total 1/150 (0.67%)	es Tumor Incider Male 0/50 (0%) 0/50 (0%) Total 1/150 (0.67%) Mean 0.67%	es Tumor Incidence for Selected Control / Route: SKIN Vehicle: ETHANOL Male 0/50 (0%) 0/50 (0%) 1/50 (2%) Total 1/150 (0.67%) Mean 0.67% SD 1.15%	Route: SKIN Vehicle: ETHANOL Male 0/50 (0%) 0/50 (0%) 1/50 (2%) Total 1/150 (0.67%) Mean 0.67% SD 1.15% Total	Male 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) Total 1/150 (0.67%) Mean 0.67% SD 1.15% Total 0/150 (0%)	Male Female 0/50 0%0 0/50 0%0 1/150 (2%) 0/50 0%0 0/50 0%0 Mean 0.67% SD 1.15% Total 0/150 0%0 Mean 0%