

# NTP Historical Controls Report

## By Route and Vehicle

### F 344/N RATS

March 2007

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		<b>Female</b> I3 F1 F2 I					
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

	Study 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	059302306	07/11/97	729	50(3)	37(693)	510.6	2,4-Hexadienal				
Battelle Columbus Laboratory Battelle Columbus Laboratory	058810503 059902303	04/22/02 03/25/02	729 729	50(3) 50(3)	35(702) 29(683)	521.9 501.9	Isoeugenol beta-Myrcene				
					Female						
Southern Research Institute	059302306	07/11/97	732	50(5)	37(699)	314.6	2,4-Hexadienal				
Battelle Columbus Laboratory Battelle Columbus Laboratory	058810503 059902303	04/23/02 03/26/02	730 730	50(5) 50(5)	33(699) 31(668)	339.3 323.8	Isoeugenol beta-Myrcene				

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			3	Page: 5 Report Date: 05/24/2022				
			Male		Female			
#All Organs: Benign Tumors	Tabl	48/50 (96%)	49/50 (98%)	49/50 (98%)	Tatal	45/50 (90%)	41/50 (82%)	40/50 (80%)
Overall Incidence	Total	146/150 (97.33%)	Mean 97.33%	SD 1.15%	Total	126/150 (84%)	Mean 84%	SD 5.29%
#All Organs: Malignant Tumors								
Overall Incidence	Total	21/50 (42%) 73/150 (48.67%)	29/50 (58%) Mean 48.67%	23/50 (46%) SD 8.33%	Total	18/50 (36%) 47/150 (31.33%)	18/50 (36%) Mean 31.33%	11/50 (22%) SD 8.08%
#All Organs: Malignant and Benign Tumo								
Overall Incidence	Total	50/50 (100%) 150/150 (100%)	50/50 (100%) Mean 100%	50/50 (100%) SD 0%	Total	48/50 (96%) 139/150 (92.67%)	46/50 (92%) Mean 92.67%	45/50 (90%) SD 3.06%
#All Organs: Hemangioma								
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%
#All Organs: Hemangiosarcoma								
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: Hemangiosarcoma or Hema	ngioma	0/50 /02/)	4/50 (00%)	0/50 (00/)		0/50 (0%)	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%

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

Version: Mar2007 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: CORN OIL	-		Page: 6 Report Date: 05/24/2022			
			Male				Female			
#All Organs: Histiocytic Sarcoma		1/50 (2%)	0/50 (0%)	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%		
#All Organs: Leukemia: Lymphocytic, M Overall Incidence	onocytic, M	ononuclear, or Undifferer 11/50 (22%)	n <b>tiated</b> 10/50 (20%)	9/50 (18%) SD 2%		10/50 (20%)	8/50 (16%) Maga 15 23%	5/50 (10%) SD 5.03%		
	Total	30/150 (20%)	Mean 20%	SD 2%	Total	23/150 (15.33%)	Mean 15.33%	SD 5.03%		
#All Organs: Malignant Lymphoma: Hist Overall Incidence	<b>iocytic, Lyn</b> Total	nphocytic, Mixed, NOS, or 0/50 (0%) 1/150 (0.67%)	Undifferentiated Cell 0/50 (0%) Mean 0.67%	l <b>Type</b> 1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
						0/100 (070)				
#All Organs: Mesothelioma: 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%		
#All Organs: Mesothelioma: Benign, Ma	lignant, NOS	<b>5</b> 4/50 (8%)	3/50 (6%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	9/150 (6%)	Mean 6%	SD 2%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%		
#All Organs: Mesothelioma: Malignant		4/50 (8%)	3/50 (6%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	9/150 (6%)	Mean 6%	SD 2%	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: GAVAGE Vehicle: CORN OIL

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			Male				Female	
#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 (0%)	2/50 (4%)	1/50 (2%)		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: Osteosarcoma or Osteoma		0/50 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	2/30 (4%) Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%
Adrenal Cortex: Adenoma		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%
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%
Adrenal Medulla: Ganglioneuroma		0/50 (00/)	0/50 (00%)	4/50 (20/)		0/50 (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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Inciden		Page: 8 Report Date: 05/24/2022					
			Male			Female				
*Adrenal Medulla: Hemangioma		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%		
*Adrenal Medulla: Pheochromocytoma Benig		7/50 (149/)								
Overall Incidence	Total	7/50 (14%) 23/150 (15.33%)	5/50 (10%) Mean 15.33%	11/50 (22%) SD 6.11%	Total	4/150 (2.67%)	2/50 (4%) Mean 2.67%	1/50 (2%) SD 1.15%		
*Adrenal Medulla: Pheochromocytoma Comp										
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 Maligr		0/50 (0%)	3/50 (6%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	5/150 (3.33%)	Mean 3.33%	SD 3.06%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
*Adrenal Medulla: Pheochromocytoma: Benig		x, Malignant, NOS								
Overall Incidence	Total	7/50 (14%) 27/150 (18%)	7/50 (14%) Mean 18%	13/50 (26%) SD 6.93%	Total	2/50 (4%) 5/150 (3.33%)	2/50 (4%) Mean 3.33%	1/50 (2%) SD 1.15%		
#Blood Vessel: 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%		

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		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%		
	, ,								
ndroma	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%/)	0/50 (0%)		
Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/30 (0%) 0/150 (0%)	Mean 0%	SD 0%		
	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%		
	0/50 (00/)	0/50 (00()	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)		
Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	0/50 (0%) SD 0%		
Total	0/50 (0%) 3/150 (2%)	2/50 (4%) Mean 2%	1/50 (2%) SD 2%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
 na									
Total	0/50 (0%) 3/150 (2%)	2/50 (4%) Mean 2%	1/50 (2%) SD 2%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
	Total ndroma Total Total Total Total a	0/50 (0%)         Total       0/150 (0%)         ndroma       0/50 (0%)         Total       0/150 (0%)         Total       0/150 (0%)         Total       1/150 (0.67%)         Total       0/150 (0%)         Total       3/150 (2%)         a       0/50 (0%)	s Tumor Incider Male 0/50 (0%) 0/50 (0%) Total 0/150 (0%) Mean 0% Moroma 0/50 (0%) 0/50 (0%) Total 0/150 (0%) Mean 0% 0/50 (0%) 0/50 (0%) Mean 0.67% Total 0/150 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%) Mean 0% Total 0/150 (0%) 2/50 (4%) Mean 2% a 0/50 (0%) 2/50 (4%)	Turnor Incidence for Selected Control / Route: GAVAGE Vehicle: CORN OIL         Male         0/50       0%       0/50       0%       0/50       0%         Total       0/150       0%       0/50       0%       0/50       0%         ndroma       0/50       0%       0/50       0%       0/50       0%         Total       0/150       0%       0/50       0%       5D       0%         ndroma       0/50       0%       0/50       0%       5D       0%         notal       0/150       0%       0%       SD       0%       2%         notal       0/50       0%       0%       SD       0%       2%         notal       0/50       0%       0%       0%       0%       0%         notal       0/50       0%       0%       0%       0%       0%         notal       0/50       0%       2%       0%       1%       1%         notal       0%       0%       2%       0%       1%       1%         notal       0%       0%       2%       0%       1%       2%         notal       0%       0%       2% <td>Route: GAVAGE Vehicle: CORN OIL           Male           Total         0/50         (0%)         0/50         (0%)         Total           0/150         (0%)         0/50         (0%)         SD         0%         Total           ndroma         0/50         (0%)         0/50         (0%)         0/50         (0%)         Total           ndroma         0/50         0%         0/50         0%         Total         Total           ndroma         0/50         0%         0/50         0%         Total         Total           ndroma         0/50         0%         Mean         0%         SD         0%         Total           ndroma         0/50         0%         Mean         0%         SD         0%         Total           ndroma         0/50         0%         0/50         0%         Total         Total           ndroma         0/50         0%         0%         SD         0%         Total           ndrom         0/50         0%         0%         SD         0%         Total           ndrom         0/50         0%         2/50         (4%)         1/50         (2%)     &lt;</td> <td>s Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL Male <u>0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)</u> Total 0/150 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%) Mean 0% SD 0% Total 0/150 (0%) 0/50 (0%) Total 0/150 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) Total 1/150 (0.67%) Mean 0.67% SD 1.15% Total 0/150 (0%) <u>0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%)</u> 0/50 (0%) <u>Total 0/150 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%)</u> <u>Total 0/150 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%)</u> <u>Total 0/150 (0%) 0/50 (0%) 1/50 (2%) Total 0/150 (0%)</u> <u>Total 0/150 (0%) 2/50 (4%) 1/50 (2%) Total 0/150 (0%)</u> <u>a</u> <u>0/50 (0%) 2/50 (4%) 1/50 (2%) Total 0/150 (0%)</u></td> <td>Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL         Report Da Route: GAVAGE Vehicle: CORN OIL           Male         Female           0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         Mean 0%         SD 0%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 0%         Total         0/50         0%0         Mean 0%         Mean 0%         SD 0%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 0%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 0%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 115%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 115%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 115%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 115%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 10%         Total</td>	Route: GAVAGE Vehicle: CORN OIL           Male           Total         0/50         (0%)         0/50         (0%)         Total           0/150         (0%)         0/50         (0%)         SD         0%         Total           ndroma         0/50         (0%)         0/50         (0%)         0/50         (0%)         Total           ndroma         0/50         0%         0/50         0%         Total         Total           ndroma         0/50         0%         0/50         0%         Total         Total           ndroma         0/50         0%         Mean         0%         SD         0%         Total           ndroma         0/50         0%         Mean         0%         SD         0%         Total           ndroma         0/50         0%         0/50         0%         Total         Total           ndroma         0/50         0%         0%         SD         0%         Total           ndrom         0/50         0%         0%         SD         0%         Total           ndrom         0/50         0%         2/50         (4%)         1/50         (2%)     <	s Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL Male <u>0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)</u> Total 0/150 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%) Mean 0% SD 0% Total 0/150 (0%) 0/50 (0%) Total 0/150 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) Total 1/150 (0.67%) Mean 0.67% SD 1.15% Total 0/150 (0%) <u>0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%)</u> 0/50 (0%) <u>Total 0/150 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%)</u> <u>Total 0/150 (0%) 0/50 (0%) 0/50 (0%) Total 0/150 (0%)</u> <u>Total 0/150 (0%) 0/50 (0%) 1/50 (2%) Total 0/150 (0%)</u> <u>Total 0/150 (0%) 2/50 (4%) 1/50 (2%) Total 0/150 (0%)</u> <u>a</u> <u>0/50 (0%) 2/50 (4%) 1/50 (2%) Total 0/150 (0%)</u>	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL         Report Da Route: GAVAGE Vehicle: CORN OIL           Male         Female           0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         0/50         0%0         Mean 0%         SD 0%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 0%         Total         0/50         0%0         Mean 0%         Mean 0%         SD 0%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 0%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 0%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 115%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 115%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 115%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 115%         Total         0/150         0%0         Mean 0%         Mean 0%         SD 10%         Total		

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
*Brain: Astrocytoma Malignant		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%
'Brain: Ependymoma Benign		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%
'Brain: Glioma Malignant		0/50 (0%)	0/50 (0%)		۰ ۱		0/50 (0%)	0/50 (0%)
Overall Incidence	Total	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%
Brain: Granular Cell Tumor Benigr	n	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: 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%
'Brain: Meningioma Malignant							0/50 (09/.)	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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	i		Toxicol Tumor Incider		Page: 11 Report Date: 05/24/2022					
			Male	······		Female				
*Brain: Meningioma: Benign, Mali	gnant, NOS	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 Benigr	·····							- ()		
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%		
*Brain: Oligodendroglioma Malign Overall Incidence	<b>ant</b> 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%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%		
*Brain: Oligodendroglioma, Gliom			1/50 (2%)	1/50 (2%)		2/50 (4%)	1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	3/150 (2%)	Mean 2%	SD 2%		
*Brain: Sarcoma										
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
*Clitoral/Preputial Gland: Adenoma		1/49 (2%)	2/50 (4%)	5/50 (10%)		5/50 (10%)		7/50 (14%)		
Overall Incidence	Total	1/49 (2%) 8/149 (5.37%)	2/50 (4%) Mean 5.35%	SD 4.15%	Total	5/50 (10%) 15/148 (10.14%)	3/48 (6%) Mean 10.08%	SD 3.88%		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 12 Report Date: 05/24/2022					
			Male		Female			
*Clitoral/Preputial Gland: Carcinoma								
Overall Incidence	Total	3/49 (6%) 5/149 (3.36%)	2/50 (4%) Mean 3.37%	0/50 (0%) SD 3.11%	Total	2/50 (4%) 4/148 (2.7%)	2/48 (4%) Mean 2.72%	0/50 (0%) SD 2.36%
*Clitoral/Preputial Gland: Carcinoma or Adenoma								
Overall Incidence	Total	4/49 (8%) 13/149 (8.72%)	4/50 (8%) Mean 8.72%	5/50 (10%) SD 1.11%	Total	7/50 (14%) 19/148 (12.84%)	5/48 (10%) Mean 12.81%	7/50 (14%) SD 2.07%
*Clitoral/Preputial Gland: Fibrosarcoma								
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
*Clitoral/Preputial Gland: Sarcoma								
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
*Clitoral/Preputial Gland: Squamous Cell Papilloma								
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (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%

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

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

#### Page: 13 Report Date: 05/24/2022

			Male				Female	
#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%
		0/150 (078)						
∕Eye: Amelanotic Melanoma, E	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%
∉Eye: Melanoma 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%
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: 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%
Harderian Gland: Carcinoma		0/50 /0%/)	0/50 (00/)	0/50 (00/)		0/50 (00/.)	0/50 (0%)	0/50 /00/)
	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 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: GAVAGE Vehicle: CORN OIL

#### Page: 14 Report Date: 05/24/2022

			Male				Female	
#Harderian Gland: 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%
		( )				( )		
'Heart: Schwannoma Benign		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	2/52 (22/)	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%
Heart: 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%
Intestine Large: Colon/Rectu 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%
fIntestine Large: Colon/Rectu Carcinoma								
	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>-</b>	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/Rectu Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	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: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

#### Page: 15 Report Date: 05/24/2022

			Male				Female	
#Intestine Large: Colon/Rectu Leiomyosarcoma	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 Large: Colon/Rectu Polyp Adenomatous								
<b>0</b>	<b>T</b> . ( . )	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: Carcinoma					,			
<b>O</b>	<b>T</b> . ( . )	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: Leiomyoma								
		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: 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%
#Intestine Small: Site Unspec 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: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

#### Page: 16 Report Date: 05/24/2022

			Male				Female	
Intestine Small: Site Unspection Carcinoma or Adenoma	cified:							
<b>.</b>	<b>T</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b>	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 Unspec Leiomyoma	cified:							
		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 Unspec 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%
Islets, Pancreatic: Adenoma		(20)	4/50 (00()	0/50 / 40/)		(50 (00))	0/50 (00/)	4/50 (QQ())
Overall Incidence	Total	4/50 (8%) 10/150 (6.67%)	4/50 (8%) Mean 6.67%	2/50 (4%) SD 2.31%	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
		( )			Total	· · · ·		JU 1.15%
Islets, Pancreatic: 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%
'Islets, Pancreatic: Carcinoma or Adenoma								1/50 (20()
Overall Incidence	Total	4/50 (8%)	4/50 (8%) Mean 7.33%	3/50 (6%) SD 1.15%	Total	1/50 (2%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
Sverall Incluence	Total	11/150 (7.33%)	Wean 7.33%	30 1.13%	Total	2/150 (1.33%)	wear 1.55%	SU 1.15%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

#### Page: 17 Report Date: 05/24/2022

			Male				Female						
*Kidney: Pelvis and Transitional Epithelium: 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%					
Kidney: Pelvis and Transitio Carcinoma or Adenoma	nal Epitheli												
		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%					
Kidney: Pelvis and Transitio Papilloma		um:					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%					
					101ai	0/130 (076)							
Kidney: Renal Tubule: Adenoma		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%					
		0/150 (0%)			Total	0/150 (0%)		5D 0%					
Kidney: Renal Tubule: Carcinoma													
		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%					
Kidney: Renal Tubule: Carcinoma or Adenoma													
		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%					

\*: 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

#### Page: 18 Report Date: 05/24/2022

			Male				Female	
Kidney: Renal Tubule: Hemangiosarcoma		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: Lipoma		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%
Kidney: Renal Tubule: Liposarcoma		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%
Kidney: Renal Tubule: Nephroblastoma								
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%
Kidney: Renal Tubule: 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%
Kidney: Renal Tubule: Stromal Nephroma		0/50 (00%)	0/50 (00%)	0/50 (0%)		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%	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: CORN OIL

#### Page: 19 Report Date: 05/24/2022

			Male				Female	
'Liver: Cholangiocarcinoma		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%
Liver: Hemangiosarcoma		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 Adenoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (09/)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Hepatocellular 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%
Liver: Hepatocellular 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%
Liver: Hepatocellular Carcinoma	a 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	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: Mar2007 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	S			ogy Data Management ice for Selected Control A Route: GAVAGE Vehicle: CORN OIL	-		Page: 20 Report Da	<b>te:</b> 05/24/2022			
			Male				Female				
*Liver: Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)											
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%			
*Lung: Alveolar/Bronchiolar Ade		1/50 (2%)	3/50 (6%)	3/50 (6%)		3/50 (6%)	4/50 (20%)	4/50 (8%)			
Overall Incidence	Total	7/150 (4.67%)	Mean 4.67%	SD 2.31%	Total	8/150 (5.33%)	1/50 (2%) Mean 5.33%	4/50 (8%) SD 3.06%			
<sup>•</sup> Lung: Alveolar/Bronchiolar Carc Overall Incidence	<b>inoma</b> 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%			
Lung: Alveolar/Bronchiolar Carc		veolar/Bronchiolar Adeno 1/50 (2%)	<b>ma</b> 4/50 (8%)	3/50 (6%)		3/50 (6%)	1/50 (2%)	4/50 (8%)			
Overall Incidence	Total	8/150 (5.33%)	Mean 5.33%	SD 3.06%	Total	8/150 (5.33%)	Mean 5.33%	SD 3.06%			
Lung: Hemangiosarcoma		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%			
Lung: Sarcoma		0/50 /0%/ \	0/50 (0%/)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (09/.)			
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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 21 Report Date: 05/24/2022							
			Male			Female				
*Lung: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>-</b>	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%		
#Lymph Node, Mesenteric: Sarcoma			2/52 (221)				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%		
#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	2/50 (4%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 2.31%	Total	2/50 (4%) 6/150 (4%)	4/50 (8%) Mean 4%	0/50 (0%) SD 4%		
#Mammary Gland: Carcinoma or Adenoma										
Overall Incidence	Total	2/50 (4%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 2.31%	Total	3/50 (6%) 7/150 (4.67%)	4/50 (8%) Mean 4.67%	0/50 (0%) SD 4.16%		
#Mammary Gland: Fibroadenoma										
Overall Incidence	Total	3/50 (6%) 7/150 (4.67%)	4/50 (8%) Mean 4.67%	0/50 (0%) SD 4.16%	Total	22/50 (44%) 65/150 (43.33%)	26/50 (52%) Mean 43.33%	17/50 (34%) SD 9.02%		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				logy Data Management nce for Selected Control A Route: GAVAGE Vehicle: CORN OIL		Page: 22 Report Date: 05/24/2022			
			Male	· · · ·		Female			
#Mammary Gland: Fibroma		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: Fibroma, Fibroadenoma o	or Adenoma	_ / /							
Overall Incidence	Total	3/50 (6%) 7/150 (4.67%)	4/50 (8%) Mean 4.67%	0/50 (0%) SD 4.16%	Total	23/50 (46%) 66/150 (44%)	26/50 (52%) Mean 44%	17/50 (34%) SD 9.17%	
#Mammary Gland: Fibroma, Fibroadenoma, (			4/50 (8%)	0/50 (0%)		24/50 (48%)	28/50 (56%)	17/50 (34%)	
Overall Incidence	Total	9/150 (6%)	Mean 6%	SD 5.29%	Total	69/150 (46%)	Mean 46%	SD 11.14%	
#Mesentery: 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%	
#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 (00/)	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%	

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

#### Page: 23 Report Date: 05/24/2022

			Male				Female	
#Mesentery: 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%
¢Mesentery: 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%
≮Mesentery: 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%)	0/50 (0%) Mean 0%	SD 0%
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: Sarcoma		0/50 (00)	0/50 (00)	0/50 /02/1		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%

\*: 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

#### Page: 24 Report Date: 05/24/2022

			Male				Female	
*Nose: Squamous Cell Carcinon	na	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%
#Oral Cavity (Oral Mucosa, Papilloma Squamous or I	Tongue, Phar	rynx, Tooth, Gingiva):						
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinon Overall Incidence		rynx, Tooth, Gingiva): 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%
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinon	Tongue, Phar	rynx, Tooth, Gingiva):	1/50 (2%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%
#Oral Mucosa: Squamous Cell Carcinon	na							
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%
#Oral Mucosa:	a			1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Squamous Cell Papillom		1/50 (2%)	0/50 (0%)					

\*: Denominator is number of animals with tissues examined microscopically

	07 Toxicology Data Management System UL Laboratories Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL V: CHRONIC		
	Male		
	1		
(0%) (0%)	0/	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
(00())	ell Tumor Benign	0/50 (00/)	
(0%) ).67%)	0// ce Total 1/150	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
	II Tumor Malignant		
(0%) (0%)	0/؛ ce Total 0/15	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
(0%)	ll Tumor: Benign, Malignant, NOS	0/50 (0%)	1/50 (2%)
(0%) ).67%)		0/50 (0%) Mean 0.67%	SD 1.15%
	ieca Tumor Benign		
(0%) (0%)		0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	eca Tumor Malignant		
(0%) (0%)		0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	0/	(0%) (0%)	

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 26 Report Date: 05/24/2022				
			Male			Female			
*Ovary: Sarcoma									
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Ovary: Thecoma Malignant									
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
*Pancreas: Adenoma									
Overall Incidence	Total	10/50 (20%) 18/150 (12%)	7/50 (14%) Mean 12%	1/50 (2%) SD 9.17%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	
*Pancreas: Carcinoma									
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%	
*Pancreas: Carcinoma or Adenoma									
Overall Incidence	Total	10/50 (20%) 19/150 (12.67%)	8/50 (16%) Mean 12.67%	1/50 (2%) SD 9.45%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	
*Pancreas: Mixed Tumor Benign		0/50 /02/)		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%	

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

#### Page: 27 Report Date: 05/24/2022

			Male				Female	
Parathyroid Gland: Adenoma		0/50 (0%)	0/47 (0%)	1/45 (2%)		0/49 (0%)	0/47 (0%)	0/47 (0%)
Overall Incidence	Total	1/142 (0.7%)	Mean 0.74%	SD 1.28%	Total	0/143 (0%)	Mean 0%	SD 0%
Peripheral Nerve: Sarcoma		0/50 (00/)	0/50 /00//	0/50 (00/)		0/50 (00/)	0/50 (00/)	2/52 (224)
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%
Peripheral Nerve: Schwannoma Malignant		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	2/52 (224)
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%
Peripheral Nerve: Schwannoma: Benign, N		6						
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 Dist Adenoma	alis or Unspec							
Overall Incidence	Total	12/50 (24%) 37/150 (24.67%)	19/50 (38%) Mean 24.67%	6/50 (12%) SD 13.01%	Total	19/50 (38%) 69/150 (46%)	25/50 (50%) Mean 46%	25/50 (50%) SD 6.93%
Pituitary Gland: Pars Dist Carcinoma				0/50 (0)()		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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incider		Page: 28 Report Date: 05/24/2022			
			Male				Female	
*Pituitary Gland: Pars Distalis Carcinoma or Adenoma	s or Unspec	ified Site:						
Overall Incidence	Total	12/50 (24%) 37/150 (24.67%)	19/50 (38%) Mean 24.67%	6/50 (12%) SD 13.01%	Total	19/50 (38%) 69/150 (46%)	25/50 (50%) Mean 46%	25/50 (50%) SD 6.93%
Pituitary Gland: Pars Interme Adenoma	edia:							
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%
Pituitary Gland: Pars Interme 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%
Pituitary Gland: Pars Interme Carcinoma or Adenoma								
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%
Prostate: Adenoma								
Overall Incidence	Total	2/49 (4%) 2/149 (1.34%)	0/50 (0%) Mean 1.36%	0/50 (0%) SD 2.36%				
Prostate: Carcinoma or Adenoma		2/49 (4%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	2/49 (47%) 2/149 (1.34%)	Mean 1.36%	SD 2.36%				

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

#### Page: 29 Report Date: 05/24/2022

			Male				Female	
*Salivary Glands: Sarcoma		0/50 (09/)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/40 (0%)	2/52 /02/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%
Salivary Glands: Schwannoma Malignant								
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%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%
Skeletal Muscle: 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%
Skeletal Muscle: 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%
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: 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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				logy Data Management S ince for Selected Control A Route: GAVAGE Vehicle: CORN OIL	-		Page: 30 Report Date: 05/24/2022			
		· · · · · ·	Male			Female				
#Skeletal Muscle: Rhabdomyosarcoma		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%		
#Skeletal Muscle: Rhabdomyosarcoma or Rha			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%		
#Skeletal Muscle: 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: Basal Cell Adenoma		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 Adenoma or Base		s Tumor Benign 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 Adenoma, Basos	quamous T	Fumor Benign, or Trichoep 1/50 (2%)	pithelioma 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%		

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

#### Page: 31 Report Date: 05/24/2022

			Male				Female	
#Skin: Basal Cell Carcinoma								
		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%
#Skin: Basal Cell Carcinoma o	r Basosquamo	us Tumor (malignant or N	OS)					
	-	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%
#Skin: Basal Cell Carcinoma, E NOS), or Trichoepithelic		noma, Basosquamous Tur 1/50 (2%)	nor (benign, malignar 1/50 (2%)	nt or 1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So	oma, Carcinon	na, Basosq. Tumor (M or I eratoacanthoma, Trichoeg 5/50 (10%) 16/150 (10.67%)	3), Basal Cell Adenon		Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
Overall Incidence	Total	10/150 (10.07/8)		00 0.0070	rotai	2/100 (1.00/0)	Mean 1.5576	00 1.10%
	TOLAI							
		4/50 (8%)	5/50 (10%)	3/50 (6%)		2/50 (4%)	0/50 (0%)	2/50 (4%)
#Skin: Fibroma Overall Incidence	Total	4/50 (8%) 12/150 (8%)	5/50 (10%) Mean 8%	3/50 (6%) SD 2%	Total	2/50 (4%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	2/50 (4%) SD 2.31%
#Skin: Fibroma Overall Incidence #Skin:	Total	4/50 (8%) 12/150 (8%) coma, Myxosarcoma, or F	5/50 (10%) Mean 8%	3/50 (6%) SD 2%	Total	2/50 (4%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	2/50 (4%) SD 2.31%
#Skin: Fibroma Overall Incidence #Skin:	Total	4/50 (8%) 12/150 (8%)	5/50 (10%) Mean 8%	3/50 (6%) SD 2%	Total	2/50 (4%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	2/50 (4%) SD 2.31%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 32 Report Date: 05/24/2022						
			Male			Female				
#Skin: Fibrosarcoma		3/50 (6%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Skin: Fibrosarcoma, Sarcoma, M	yxosarcoma	a, or Fibrous Histiocytoma 3/50 (6%)	a 2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	6/150 (4%)	Mean 4%	SD 2%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Skin: 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%		
#Skin: 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%		
#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		3/50 (6%)	7/50 (14%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	12/150 (8%)	Mean 8%	SD 5.29%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		

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

#### Page: 33 Report Date: 05/24/2022

			Male				Female	
#Skin: Lipoma		1/50 (20/)	2/50 (40%)	0/50 (0%/)		0/50 (0%)	0/50 (0%)	0/50 (09/)
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%
#Skin: Liposarcoma		0/50 (0%)						
Overall Incidence	Total	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								
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: Neurofibroma or Schwa	nnoma 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	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Neurofibrosarcoma or S						0/50 (0%)	0/50 (0%)	0/50 (09/.)
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, ma 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: GAVAGE Vehicle: CORN OIL

#### Page: 34 Report Date: 05/24/2022

			Male				Female	
∕Skin: Osteosarcoma								
Duranall Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
∕Skin: Sarcoma								
		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%
∕≴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								
		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								
-		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, 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%

\*: Denominator is number of animals with tissues examined microscopically

### **Toxicology Data Management System** Tumor Incidence for Selected Control Animal Groups Route: GAVAGE

#### Page: 35 Report Date: 05/24/2022

			Male				Female				
#Skin: Squamous Cell Papilloma 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)											
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%			
#Skin: Squamous Cell Papillom		1									
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 Papillom Overall Incidence	<b>a, Papilloma, S</b> Total	Squamous Cell Carcinom 4/50 (8%) 13/150 (8.67%)	a or Keratoacanthom 7/50 (14%) Mean 8.67%	a 2/50 (4%) SD 5.03%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%			
#Skin:											
Squamous Cell Papillom	a, Papilloma, c	or Keratoacanthoma 4/50 (8%)	7/50 (14%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	4/50 (8%) 13/150 (8.67%)	Mean 8.67%	SD 5.03%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%			
Squamous Cell Papillom Overall Incidence #Skin: Trichoepithelioma	Total	4/50 (8%) 13/150 (8.67%)	Mean 8.67%	SD 5.03%		1/150 (0.67%)	Mean 0.67%	SD 1.15%			
Overall Incidence #Skin: Trichoepithelioma	Total	4/50 (8%) 13/150 (8.67%)	Mean 8.67%	SD 5.03%		1/150 (0.67%)	Mean 0.67%	SD 1.15%			
Overall Incidence #Skin:	Total	4/50 (8%) 13/150 (8.67%) 1/50 (2%)	Mean 8.67% Ó	SD 5.03%		1/150 (0.67%) 0/50 (0%)	Mean 0.67%	SD 1.15%			

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Vehicle: CORN OIL

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

#### Page: 36 Report Date: 05/24/2022

			Male				Female	
#Skin: Sebaceous 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%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		. ,						
Skin: Sebaceous Gland: Carcinoma or Adenoma								
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%
Spinal Cord: Astrocytoma Benign		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%
Spleen: 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%
Spleen: Hemangiosarcoma								
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%
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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 37 Report Date: 05/24/2022

			Male				Female	
#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: Lipoma		4/50 (0%)				0/50 (0%)	0/50 (0%)	0/50 (0%)
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, Forestomach: Schwannoma Malignant		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%
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	or Papillom	a Squamous						
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 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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Page: 38 Report Date: 05/24/2022				
			Male				Female	
#Stomach, Glandular: 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%)	0/50 (0%) Mean 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%
*Testes: Adenoma Overall Incidence	Total	41/50 (82%) 134/150 (89.33%)	46/50 (92%) Mean 89.33%	47/50 (94%) SD 6.43%				
*Thymus: Sarcoma Overall Incidence	Total	0/50 (0%) 0/144 (0%)	0/47 (0%) Mean 0%	0/47 (0%) SD 0%	Total	0/48 (0%) 0/144 (0%)	0/47 (0%) Mean 0%	0/49 (0%) SD 0%
*Thymus: Thymoma Benign		0/50 (0%)	0/47 (0%)	0/47 (0%)		0/48 (0%)	0/47 (0%)	0/49 (0%)
Overall Incidence	Total	0/144 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant		0/50 (0%)	0/47 (0%)	0/47 (0%)		0/48 (0%)	0/47 (0%)	0/49 (0%)
Overall Incidence	Total	0/144 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 39 Report Date: 05/24/2022					
			Male				Female	
*Thymus: Thymoma: Benign, Malignar	nt, NOS	0/50 (0%)	0/47 (0%)	0/47 (0%)		0/48 (0%)	0/47 (0%)	0/49 (0%)
Overall Incidence	Total	0/144 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma							_/	-/ ///
Overall Incidence	Total	4/50 (8%) 25/150 (16.67%)	9/50 (18%) Mean 16.67%	12/50 (24%) SD 8.08%	Total	12/50 (24%) 24/150 (16%)	7/50 (14%) Mean 16%	5/50 (10%) SD 7.21%
*Thyroid Gland: C-Cell: Carcinoma Overall Incidence	Total	1/50 (2%) 7/150 (4.67%)	6/50 (12%) Mean 4.67%	0/50 (0%) SD 6.43%	Total	1/50 (2%) 4/150 (2.67%)	3/50 (6%) Mean 2.67%	0/50 (0%) SD 3.06%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma Overall Incidence	Total	5/50 (10%) 32/150 (21.33%)	15/50 (30%) Mean 21.33%	12/50 (24%) SD 10.26%	Total	13/50 (26%) 27/150 (18%)	9/50 (18%) Mean 18%	5/50 (10%) SD 8%
*Thyroid Gland: Follicular Cell Adenoma								
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%
*Thyroid Gland: Follicular Cell Carcinoma		1/50 (2%)	1/50 (2%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%

Version: Mar2007
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: 40 Report Date: 05/24/2022

			Male				Female	
Thyroid Gland: Follicular ( Carcinoma or Adenoma	Cell:							
Overall Incidence	Total	1/50 (2%) 6/150 (4%)	2/50 (4%) Mean 4%	3/50 (6%) SD 2%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
		0/100 (470)				2,100 (1.0070)		
Tissue NOS: Fibrosarcoma				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%
Tissue NOS: Leiomyoma		0/50 (001)	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%
Tissue NOS: 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%
Tissue NOS: Paraganglioma								
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%
Tissue NOS: 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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 41 Report Date: 05/24/2022

			Male					Female	
#Tissue NOS: 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%
#Tongue: 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%
#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%	(078)	Total	0/150 (0%)	Mean 0%	SD 0%
≭Tongue: Squamous Cell Carcinoma o	or Papillom	•							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
≭Tongue: Squamous Cell Papilloma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Tooth: Odontogenic Tumor		0/50 /00/)	0/50 (0%)	0/50	(00()		1/50 (20()	0/50 /00/)	0/50 (00()
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	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: Mar2007
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: 42 Report Date: 05/24/2022

			Male					Female	
<sup>t</sup> Urinary Bladder: 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%	<b>`</b>	Total	0/150 (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%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	(270)	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%	(0 /0)	Total	0/150 (0%)	Mean 0%	SD 0%
Urinary Bladder: Papilloma		0/50 (0%)	0/50 (00/)	4/50 /	(00()		0/50 (0%)	0/50 (00/)	0/50 (0)()
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	SD 1.15%	(2%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Urinary Bladder: 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%
/Uterus: Adenoma									
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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE				
Length of Study: CHRONIC						
	Male		Female			
#Uterus: Carcinoma						
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%		
#Uterus: Deciduoma Benign		0/50 (00/)		0/50 (551)		
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%		
#Uterus: Hemangioma		-/	- ()	- /		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Uterus: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		
#Uterus: Leiomyoma						
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Uterus: Leiomyosarcoma		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%		

Version: Mar2007 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: GAVAGE Vehicle: CORN OIL	s	Page: 44 Report Date: 05/24/2022				
	Male		Female				
#Uterus: Polyp Stromal							
Overall Incidence	Total	14/50 (28%) 30/150 (20%)	8/50 (16%) Mean 20%	8/50 (16%) SD 6.93%			
#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 Stromal							
Overall Incidence	Total	14/50 (28%) 30/150 (20%)	8/50 (16%) Mean 20%	8/50 (16%) SD 6.93%			
#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%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%			
#Vagina: Sarcoma							
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 mic	roscopically						

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 45 Report Date: 05/24/2022			
			Male				Female	
#Zymbal's Gland: Adenoma								
		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%
#Zymbal's Gland: Carcinoma		1/50 (20/)	2/50 (49/)	0/50 (00())		0/50 (00/.)	0/50 (0%)	0/50 (00()
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%
						( )		
#Zymbal's Gland: Carcinoma or Adenoma								
		2/50 (4%)	2/50 (4%)	0/50 (0%)		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%

### Version: Mar2007 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

Study 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	059100507	06/26/00	730	50(3)	30(693)	520.6	Methylene blue trihydrate			
					Female					
Southern Research Institute	059100507	06/26/00	733	50(5)	35(699)	335.9	Methylene blue trihydrate			

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 47 Report Date: 05/24/2022					
			Male		Female			
#All Organs: Benign Tumors		47/50 (94%)				47/50 (94%)		
Overall Incidence	Total	47/50 (94%)	Mean 94%	SD 0%	Total	47/50 (94%)	Mean 94%	SD 0%
#All Organs: Malignant Tumors		30/50 (60%)				19/50 (38%)		
Overall Incidence	Total	30/50 (60%)	Mean 60%	SD 0%	Total	19/50 (38%)	Mean 38%	SD 0%
#All Organs: Malignant and Benign Tumo Overall Incidence	<b>rs</b> Total	49/50 (98%) 49/50 (98%)	Mean 98%	SD 0%	Total	50/50 (100%) 50/50 (100%)	Mean 100%	SD 0%
#All Organs: Hemangioma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
				30 0%		( )		30 0%
#All Organs: Hemangiosarcoma		1/50 (2%)				1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#All Organs: Hemangiosarcoma or Hema								
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%

Version: Mar2007 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: 48 Report Date: 05/24/2022		
			Male				Female			
#All Organs: Histiocytic Sarcoma		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
#All Organs: Leukemia: Lymphocytic, Mo						12/50 (24%)				
Overall Incidence	Total	23/50 (46%)	Mean 46%	SD 0%	Total	12/50 (24%)	Mean 24%	SD 0%		
#All Organs: Malignant Lymphoma: Histi	ocytic, Lym	phocytic, Mixed, NOS, or 0/50 (0%)	· Undifferentiated Ce	ы Туре		0/50 (0%)	Maar 00/			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Mesothelioma: 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%		
#All Organs: Mesothelioma: Benign, Mal	ignant, NOS	3/50 (6%)				0/50 (0%)				
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Mesothelioma: Malignant		3/50 (6%)				0/50 (0%)				
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE						Page: 49 Report Date: 05/24/2022		
		Male				Female			
	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%)				1/50 (2%)				
Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
	0/50 (0%)				1/50 (2%)				
Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
	1/50 (2%)				1/50 (2%)				
Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	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%)				
Total	0/50 (0%)	Mean 0%	SD 0%	Total	( )	Mean 0%	SD 0%		
	Total Total Total Total	0/50         (0%)           Total         0/50         (0%)           0/50         (0%)         0/50         (0%)           Total         0/50         (0%)         0/50           Total         1/50         (2%)         1/50         (2%)           Total         1/50         (2%)         0/50         (0%)           Total         0/50         (0%)         0/50         (0%)           0/50         (0%)         0/50         (0%)         0/50         (0%)	Tumor Incide         Male         Male         0/50 (0%)       Mean 0%         Total       0/50 (0%)         0/50 (0%)       Mean 0%         Total       0/50 (0%)         Mean 0%       0%         Total       0/50 (0%)         Mean 0%       0%         Total       0/50 (0%)         Mean 0%       0%         Total       1/50 (2%)         Mean 2%       0/50 (0%)         Mean 0%       0%         0/50 (0%)       Mean 0%	Tumor Incidence for Selected Contra Route: GAVAGE Vehicle: METHYLCELLL           Male           0/50         (0%)         Mean 0%         SD 0%           Total         0/50         (0%)         Mean 2%         SD 0%           Total         0/50         (0%)         Mean 0%         SD 0%           O/50         (0%)         Mean 0%         SD 0%	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE           Nume: GAVAGE           Vehicle: METHYLCELLULOSE           Male         Male           0/50 (0%)         Mean 0%         SD 0%         Total           0/50 (0%)         Mean 2%         SD 0%         Total           0/50 (0%)         Mean 0%         SD 0%         Total	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE           Male           Total         0/50 (0%)         Mean 0%         SD 0%         Total         0/50 (0%)           0/50 (0%)         Mean 0%         SD 0%         Total         0/50 (0%)           Total         0/50 (0%)         Mean 0%         SD 0%         Total         1/50 (2%)           Total         0/50 (0%)         Mean 0%         SD 0%         Total         1/50 (2%)           Total         0/50 (0%)         Mean 0%         SD 0%         Total         1/50 (2%)           Total         0/50 (0%)         Mean 0%         SD 0%         Total         1/50 (2%)           Total         1/50 (2%)         Mean 0%         SD 0%         Total         1/50 (2%)           Total         1/50 (2%)         Mean 2%         SD 0%         Total         1/50 (2%)           Total         1/50 (2%)         Mean 2%         SD 0%         Total         1/50 (2%)           Mean 0%         SD 0%         Total         0/50 (0%)         0/50 (0%)         0/50 (0%)           0/50 (0%)         Mean 0%         SD 0%         Total         0/50 (0%)         0/50 (0%)	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE         Report Da Berter GAVAGE           Male         Female           Total         0/50 (0%)         Mean 0%         SD 0%         Total         0/50 (0%)         Mean 0%           Total         0/50 (0%)         Mean 0%         SD 0%         Total         1/50 (2%)         Mean 0%           Total         0/50 (0%)         Mean 0%         SD 0%         Total         1/50 (2%)         Mean 2%           Total         0/50 (0%)         Mean 0%         SD 0%         Total         1/50 (2%)         Mean 2%           Total         0/50 (0%)         Mean 0%         SD 0%         Total         1/50 (2%)         Mean 2%           Total         0/50 (0%)         Mean 2%         SD 0%         Total         1/50 (2%)         Mean 2%           Total         1/50 (2%)         Mean 2%         SD 0%         Total         1/50 (2%)         Mean 2%           Total         0/50 (0%)         Mean 2%         SD 0%         Total         1/50 (2%)         Mean 2%           0/50 (0%)         Mean 0%         SD 0%         Total         0/50 (0%)         Mean 0%           0/50 (0%)         Mean 0%         SD 0%		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	5		Toxicc Tumor Incide Ve		Page: 50 Report Date: 05/24/2022			
			Male				Female	
*Adrenal Medulla: 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%
*Adrenal Medulla: Pheochromocytoma Benig		9/50 (18%)				2/50 (4%)		
Overall Incidence	Total	9/50 (18%)	Mean 18%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
*Adrenal Medulla: Pheochromocytoma Comp		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 Medulla: Pheochromocytoma Malig		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 Medulla: Pheochromocytoma: Beni	gn, Complex,	Malignant, NOS 11/50 (22%)				2/50 (4%)		
Overall Incidence	Total	11/50 (22%)	Mean 22%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
#Blood Vessel: Osteosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

		Tumor Incide		Page: 51 Report Date: 05/24/2022			
		Male		Female			
Total	0/50 (0%) 0/50 (0%)	Moon 0%	SD 0%	Total	0/50 (0%)	Moon 0%	SD 0%
	0/30 (076)			10tai	0/30 (078)		070
ndroma	0/50 (0%)				0/50 (0%)		
Total	0/50 (0%)	Mean 0%	SD 0%	Total	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%	SD 0%
Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
	0/50 (0%)				1/50 (2%)		
Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
	Total ndroma Total Total Total	0/50 (0%)         Total       0/50 (0%)         ndroma       0/50 (0%)         Total       0/50 (0%)	es Tumor Incide Va Male Male Total 0/50 (0%) Mean 0% ndroma 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% Mean 0% Mean 0% Mean 0%	Design       Tumor Incidence for Selected Control         Route: GAVAGE       Vehicle: METHYLCELLU         Male       Male         1       0/50 (0%)       Mean 0%       SD 0%         ndroma       0/50 (0%)       Mean 0%       SD 0%         1       0/50 (0%)       Mean 0%       SD 0%	Route: GAVAGE         Vehicle: METHYLCELLULOSE         Male       Male         Total       0/50 (0%)       Mean 0%       SD 0%       Total         ndroma       0/50 (0%)       Mean 0%       SD 0%       Total         O/50 (0%)       Mean 0%       SD 0%       Total         Man 0%       SD 0%       Total         O/50 (0%)       Mean 0%       SD 0%       Total	ss       Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE         Male         0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         ndroma       0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         ndroma       0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       0/50 (0%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       1/50 (2%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       1/50 (2%)         Total       0/50 (0%)       Mean 0%       SD 0%       Total       1/50 (2%)	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE     Report Dat Report Dat Nale       Male     Female       0/50 (0%)     Mean 0%     SD 0%     Total     0/50 (0%)     Mean 0%       ndroma     0/50 (0%)     Mean 0%     SD 0%     Total     0/50 (0%)     Mean 0%       ndroma     0/50 (0%)     Mean 0%     SD 0%     Total     0/50 (0%)     Mean 0%       rotal     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%       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     1/50 (2%)     Mean 2%       1a     0/50 (0%)     Mean 0%     SD 0%     Total     1/50 (2%)     Mean 2%

Version: Mar2007 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: 52 Report Date: 05/24/2022		
			Male		Female					
*Brain: Astrocytoma 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: 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: Glioma 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%		
*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%		
*Brain: Meningioma 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%		

/50 (0%) 50 (0%) /50 (0%)	Female Mean 0%	SD 0%
50 (0%)	Mean 0%	SD 0%
	Mean 0%	SD 0%
/50 (0%)		
. ,	Mean 0%	SD 0%
/50 (0%) 50 (0%)	Mean 0%	SD 0%
/50 (0%)		
50 (0%)	Mean 0%	SD 0%
/50 (0%)		
50 (0%)	Mean 0%	SD 0%
/50 (14%)		
	Mean 14%	SD 0%
· / ·	50 (0%) /50 (0%) 50 (0%) /50 (14%) 0 (14%)	50 (0%) Mean 0% /50 (0%) 50 (0%) Mean 0% /50 (14%)

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxica Tumor Incide Ve		Page: 54 Report Date: 05/24/2022			
			Male				Female	
*Clitoral/Preputial Gland: Carcinoma		0/50 (0)()				4/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
*Clitoral/Preputial Gland: Carcinoma or Adenoma		1/50 (2%)				8/50 (16%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	8/50 (16%)	Mean 16%	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%
*Clitoral/Preputial Gland: Squamous Cell 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%
#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%

Version: Mar2007 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: 55 Report Date: 05/24/2022		
			Male	Female					
#Esophagus: Fibrosarcoma		0/50 (00/)				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%	
#Eye: Amelanotic Melanoma, Beni		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Eye: Melanoma Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Eye: Schwannoma Malignant Overall Incidence		( )		SD 0%		( )	Mean 0%	SD 0%	
#Harderian Gland: 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%	
#Harderian Gland: Carcinoma									
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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxica Tumor Incide Va		Page: 56 Report Date: 05/24/2022			
			Male				Female	
#Harderian Gland: 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%
*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%
*Heart: 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%
#Intestine Large: Colon/Rectu Adenoma						0/50 (0%)		
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 Large: Colon/Rectu Carcinoma								
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 Large: Colon/Rectu 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%
*: Denominator is number of animals								

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incide	ology Data Manageme ence for Selected Contr Route: GAVAGE ehicle: METHYLCELLU	ol Animal Groups		Page: 57 Report Date: 05/24/2022		
			Male				Female		
#Intestine Large: Colon/Rectu Leiomyosarcoma	ım:	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/Rectu Polyp Adenomatous		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: Jejunum: 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%	
#Intestine Small: Jejunum: Leiomyoma		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: Jejunum: Leiomyosarcoma		0/50 (0%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Intestine Small: Site Unspec Carcinoma	ified:	0/50 (0%)				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						. ,			

Version: Mar2007 Contract/Lab: All Laboratorie: Species: RATS Strain: F 344/N Length of Study: CHRONIC	s		Tumor Incide	ology Data Manageme ence for Selected Contr Route: GAVAGE ehicle: METHYLCELLU	ol Animal Groups		Page: 58 Report Date: 05/24/2022		
			Male				Female		
#Intestine Small: Site Unspe Carcinoma or Adenoma	cified:	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 Unspe Leiomyoma		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 Unspe 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%	
*Islets, Pancreatic: Adenoma		4/50 (8%)				2/49 (4%)			
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	2/49 (4.08%)	Mean 4.08%	SD 0%	
*Islets, Pancreatic: Carcinoma		0/50 (0%)				0/49 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%	
*Islets, Pancreatic: Carcinoma or Adenoma		4/50 (8%)				2/49 (4%)			
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	2/49 (4.08%)	Mean 4.08%	SD 0%	
*: Denominator is number of anima									

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	S		Tumor Incide	ology Data Manageme ence for Selected Contr Route: GAVAGE ehicle: METHYLCELLU		Page: 59 Report Date: 05/24/2022		
			Male				Female	
*Kidney: Pelvis and Transition Carcinoma	onal Epitheliu	um: 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						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 Papilloma		ım:						
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: 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 (00/)				0/50 (0%)		
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: 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%
*: Denominator is number of anima						. ,		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxica Tumor Incide Va		Page: 60 Report Date: 05/24/2022			
			Male				Female	
*Kidney: Renal Tubule: 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%
*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: Liposarcoma		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: Nephroblastoma		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: 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%
*Kidney: Renal Tubule: Stromal Nephroma		0/50 (0%)				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								

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Page: 61 Report Date: 05/24/2022					
			Male			Female			
*Liver: Cholangiocarcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Liver: Hemangiosarcoma		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 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%	
*Liver: Hepatocellular Carcinoma 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 Carcinoma o	r Hepatobla					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%	
*Liver: Hepatocellular Carcinoma o						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: Mar2007 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	S		Toxico Tumor Incide Vo	Page: 62 Report Date: 05/24/2022				
			Male				Female	
*Liver: Hepatocellular Carcinoma	, Hepatocellul	ar Adenoma, or Hepato 1/50 (2%)	blastoma			0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar Ade	noma	1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar Carc Overall Incidence	<b>inoma</b> Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar Carc						0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Lung: 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%
*Lung: 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%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 63 Report Date: 05/24/2022						
			Male			Female			
*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, Mesenteric: 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%	
#Mammary Gland: Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
		. ,				( )			
#Mammary Gland: Carcinoma		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)				2/50 (4%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	
#Mammary Gland: Fibroadenoma		2/50 (4%)				28/50 (56%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	28/50 (56%)	Mean 56%	SD 0%	

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 64 Report Date: 05/24/2022					
			Male				Female	
#Mammary Gland: Fibroma		2/52 (22/)				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%
#Mammary Gland: Fibroma, Fibroadenoma or	Adenoma	2/50 (4%)				29/50 (58%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	29/50 (58%)	Mean 58%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma, Ca	arcinoma, or	2/50 (4%)				30/50 (60%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	30/50 (60%)	Mean 60%	SD 0%
#Mesentery: 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%
#Mesentery: Hemangiosarcoma								
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Lipoma						0/50 (0%)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*: Denominator is number of animals						. ,		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Page: 65 Report Date: 05/24/2022					
			Male			Female			
#Mesentery: Liposarcoma		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: Osteosarcoma		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: Rhabdomyosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Nose: 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%	
*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: 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%	

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incide Vo	Page: 66 Report Date: 05/24/2022				
			Male				Female	
*Nose: 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%
#Oral Cavity (Oral Mucosa, To Papilloma Squamous or Pa	ongue, Phary					0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma Overall Incidence	ongue, Phary Total	nx, Tooth, Gingiva): 1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma,	ongue, Phary	nx, Tooth, Gingiva):				1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Oral Mucosa: Squamous Cell Carcinoma		1/50 (2%)				1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Oral Mucosa: 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%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Grou Route: GAVAGE Vehicle: METHYLCELLULOSE	ps	Page: 67 Report Date: 05/24/2022			
	Male		Female			
*Ovary: Cystadenoma Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		
	i Ulai	0/50 (0%)		50 0%		
*Ovary: Granulosa Cell Tumor Benign		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Malignant		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa-Theca Tumor Benign						
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa-Theca Tumor Malignant						
		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		
*: Denominator is number of animals with tissues examined microscopically						

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic Tumor Incid V	Page: 68 Report Date: 05/24/2022				
			Male		Female			
*Ovary: Sarcoma								
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Thecoma Malignant								
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Pancreas: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/49 (2%) 1/49 (2.04%)	Mean 2.04%	SD 0%
*Pancreas: Carcinoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Pancreas: Carcinoma or Adenoma		0/50 (0%)				1/40 (2%)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/49 (2%) 1/49 (2.04%)	Mean 2.04%	SD 0%
*Pancreas: Mixed Tumor Benign		1/50 (2%)				0/49 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Page: 69 Report Date: 05/24/2022					
			Male			Female			
*Parathyroid Gland: Adenoma		0/50 (0%)				0/47 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%	
#Peripheral Nerve: 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%	
#Peripheral Nerve: Schwannoma Malignant		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Peripheral Nerve: Schwannoma: Benign, Malig						0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Distalis Adenoma									
Overall Incidence	Total	25/50 (50%) 25/50 (50%)	Mean 50%	SD 0%	Total	36/50 (72%) 36/50 (72%)	Mean 72%	SD 0%	
*Pituitary Gland: Pars Distalis Carcinoma		ified Site:							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*: Denominator is number of animals									

Version: Mar2007 Contract/Lab: All Laboratori Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxica Tumor Incide Ve		Page: 70 Report Date: 05/24/2022			
			Male				Female	
*Pituitary Gland: Pars Dista Carcinoma or Adenoma	alis or Unspeci							
Overall Incidence	Total	25/50 (50%) 25/50 (50%)	Mean 50%	SD 0%	Total	36/50 (72%) 36/50 (72%)	Mean 72%	SD 0%
*Pituitary Gland: Pars Inter 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%
*Pituitary Gland: Pars Inter 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%
*Pituitary Gland: Pars Inter Carcinoma or Adenoma Overall Incidence	r <b>media:</b> Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Prostate: Adenoma		1/50 (2%)						
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%				
*Prostate: Carcinoma or Adenoma		1/50 (2%)						
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%				
*: Denominator is number of anin #: Denominator is number of anir	nals with tissues e	examined microscopically						

Version: Mar2007 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: 71 Report Date: 05/24/2022	
*Salivary Glands: Sarcoma				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%	
*Salivary Glands: Schwannoma Malignant			(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	<b>`</b> ,	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Fibrosarcoma Overall Incidence	Total		(0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Hemangioma			(2%)				( )			
Overall Incidence	Total	1/50 (2%)	<b>`</b> ,	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Hemangiosarcoma			(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Lipoma			(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	(070)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 72 Report Date: 05/24/2022					
			Male		Female			
#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%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: 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%
#Skin: Basal Cell Adenoma					, i i i i i i i i i i i i i i i i i i i			
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: Basal Cell Adenoma or Bas						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, Basos		mor Benign, or Trichoe 0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
*: Denominator is number of animals #: Denominator is number of animals		amined microscopically						

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incide Ve	Page: 73 Report Date: 05/24/2022				
			Male				Female Mean 2% SD 0% Mean 2% SD 0% Mean 4% SD 0%	
#Skin: Basal Cell Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)		
#Skin:								
Basal Cell Carcinoma or Ba	asosquamou	s Tumor (malignant or N 0/50 (0%)	IOS)			1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Basal Cell Carcinoma, Bas NOS), or Trichoepithelioma	al Cell Adeno a	oma, Basosquamous Tur 0/50 (0%)	mor (benign, maligna	int or		2/50 (4%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)		SD 0%
#Skin: Basal or Sq. Cell Carcinom Adenoma, Papilloma, Sq P Overall Incidence	a. Carcinom	a. Basoso. Tumor (M or I	B), Basal Cell Adenoi pithelioma Mean 14%		Total	3/50 (6%) 3/50 (6%)		SD 0%
#Skin: Fibroma		6/50 (12%)				1/50 (2%)		
Overall Incidence	Total	6/50 (12%)	Mean 12%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Fibroma, Fibrosarcoma, Sa	ircoma, Myxo	oma, Myxosarcoma, or F 8/50 (16%)	ïbrous Histiocytoma			2/50 (4%)		
		8/50 (16%)						

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incide	Route: GAVAGE	Page: 74 Report Date: 05/24/2022 Female					
			Male         Fe           (6%)         Mean 6%         SD 0%         Total         1/50 (2%)         Mean           (6%)         Mean 6%         SD 0%         Total         1/50 (2%)         Mean           (6%)         Mean 6%         SD 0%         Total         1/50 (2%)         Mean           (6%)         Mean 6%         SD 0%         Total         1/50 (2%)         Mean           (0%)         Mean 0%         SD 0%         Total         0/50 (0%)         Mean           (0%)         Mean 0%         SD 0%         Total         0/50 (0%)         Mean           (0%)         Mean 0%         SD 0%         Total         0/50 (0%)         Mean           (0%)         Mean 0%         SD 0%         Total         0/50 (0%)         Mean           (0%)         Mean 0%         SD 0%         Total         0/50 (0%)         Mean					Female		
#Skin: Fibrosarcoma		3/50 (6%)				( )				
Overall Incidence	Total	3/50 (6%)		SD 0%	l otal	1/50 (2%)	Mean 2%	SD 0%		
#Skin: Fibrosarcoma, Sarcoma, My	vxosarcoma	, or Fibrous Histiocytom 3/50 (6%)	a			1/50 (2%)				
Overall Incidence	Total	3/50 (6%)				. ,	Mean 2%	SD 0%		
#Skin: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%		
#Skin: Hemangioma		0/50 (0%)								
Overall Incidence	Total	0/50 (0%)		SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skin: Hemangiosarcoma		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	· · /	Mean 2%	SD 0%		
#Skin: Keratoacanthoma		3/50 (6%)				0/50 (0%)				
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

	Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC		Tumor Incide	ology Data Manageme ence for Selected Contr Route: GAVAGE ehicle: METHYLCELLU	ol Animal Groups		Page: 75 Report Date: 0				
			Male				Female           0/50 (0%) 0/50 (0%)         Mean 0%         SD 0%           0/50 (0%) 0/50 (0%)         Mean 0%         SD 0%           0/50 (0%) 0/50 (0%)         Mean 0%         SD 0%           0/50 (0%) 0/50 (0%)         Mean 0%         SD 0%				
	#Skin: Lipoma	0/50 (0%)				0/50 (0%)					
Total	Overall Incidence	0/50 (0%)	Mean 0%	SD 0%	Total	( )	Mean 0%	SD 0%			
	#Skin: Liposarcoma	0/50 (0%)				0/50 (0%)					
Total	Overall Incidence	0/50 (0%)	Mean 0%	SD 0%	Total	( )	Mean 0%	SD 0%			
	#Skin: Neural Crest Tumor	1/50 (2%)				. ,		05 ov			
Total	Overall Incidence	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
na benigi	#Skin: Neurofibroma or Schwanno	0/50 (0%)				0/50 (0%)					
Total	Overall Incidence	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)					
	#Skin: Neurofibrosarcoma or Sch					0/50 (0%)					
Total	Overall Incidence	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
		Schwannoma (benign, ma									
Total	Overall Incidence	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
broma, or Total with tissues	#Skin:	Schwannoma (benign, ma 0/50 (0%) 0/50 (0%)	lignant or NOS) Mean 0%		Total	0/50 0/50 (0	(0%) )%)	(0%) )%) Mean 0%			

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic Tumor Incid V	-	Page: 76 Report Date: 05/24/2022			
			Male				Female	
#Skin: Osteosarcoma		0/50 (0%	6)			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#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		0/50 (0%	6)			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	6) Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcinoma								
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, I or Carcinoma		arcinoma, Basosqı	ıamous Tumor (maligna					
Overall Incidence	Totol	0/50 (0%	,	SD 00/	Tatal	1/50 (2%)	Moon 20/	SD 0%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 77 Report Date: 05/24/2022					
			Route: GAVAGE Vehicle: METHYLCELLULOSE           Male         Female           Mean 8%         SD 0%         Total         1/50 (2%) 1/50 (2%)         Mean 2%         SD           Mean 8%         SD 0%         Total         1/50 (2%) 1/50 (2%)         Mean 2%         SD           Mean 8%         SD 0%         Total         1/50 (2%) 1/50 (2%)         Mean 2%         SD           oma or Keratoacanthoma Mean 14%         SD 0%         Total         1/50 (2%) 1/50 (2%)         Mean 2%         SD           Mean 14%         SD 0%         Total         1/50 (2%) 1/50 (2%)         Mean 2%         SD           Mean 14%         SD 0%         Total         1/50 (2%) 1/50 (2%)         Mean 2%         SD					
#Skin: Squamous Cell Papilloma		4/50 (8%)				1/50 (2%)		
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Squamous Cell Papilloma c		4/50 (8%)				1/50 (2%)		
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	( )	Mean 2%	SD 0%
#Skin: Squamous Cell Papilloma, Overall Incidence	Total	7/50 (14%) 7/50 (14%)	Mean 14%	SD 0%	Total	· · /	Mean 2%	SD 0%
#Skin: Squamous Cell Papilloma,						1/50 (2%)		
Overall Incidence	Total	7/50 (14%)		SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Trichoepithelioma		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: 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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incide	ology Data Manageme ence for Selected Contr Route: GAVAGE ehicle: METHYLCELLU	ol Animal Groups		Page: 78 Report Date: 05/24/2022 Female Mean 0% SD 0%				
			Male				Female				
#Skin: Sebaceous Gland: Carcinoma		0/50 (0%)				0/50 (0)()					
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: Sebaceous Gland: 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%			
#Spinal Cord: Astrocytoma Benign 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: Hemangioma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%			
*Spleen: Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%			
*Spleen: Leiomyosarcoma		0/50 (0%)				. ,					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%			
*: Denominator is number of animals		xamined microscopically									

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incide	ology Data Manageme ence for Selected Contr Route: GAVAGE ehicle: METHYLCELLU	ol Animal Groups		Page: 79         Report Date: 05/24/2022         Female         Mean 0%       SD 0%         Mean 0%       SD 0%			
			Male				Female			
#Stomach, Forestomach: 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%		
#Stomach, Forestomach: 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%		
#Stomach, Forestomach: 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%		
#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	or Papilloma	Squamous 0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incide	blogy Data Manageme ence for Selected Contr Route: GAVAGE bhicle: METHYLCELLU	ol Animal Groups		Page: 80 Report Dat	<b>:e:</b> 05/24/2022
			Male				Female	
#Stomach, Glandular: 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%
#Stomach, Glandular: 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%
*Testes: Adenoma		41/50 (82%)						
Overall Incidence	Total	41/50 (82%)	Mean 82%	SD 0%				
*Thymus: Sarcoma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Benign		0/49 (0%)				1/50 (2%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
*Thymus: Thymoma Malignant		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incide	blogy Data Manageme ence for Selected Contr Route: GAVAGE chicle: METHYLCELLU	ol Animal Groups		Page: 81 Report Date: 05/24/2022 Female				
			Male				Female				
*Thymus: Thymoma: Benign, Malignar	nt, NOS	0/49 (0%)				1/50 (2%)					
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%			
*Thyroid Gland: C-Cell: Adenoma		6/50 (12%)				7/50 (14%)					
Overall Incidence	Total	6/50 (12%)	Mean 12%	SD 0%	Total	7/50 (14%)	Mean 14%	SD 0%			
*Thyroid Gland: C-Cell: Carcinoma		2/50 (4%)				0/50 (0%)					
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		8/50 (16%)				7/50 (14%)					
Overall Incidence	Total	8/50 (16%)	Mean 16%	SD 0%	Total	7/50 (14%)	Mean 14%	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%			

Version: Mar2007 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						<b>e:</b> 05/24/2022	
			Male				(0%) 0%) Mean 0% SD 0% (0%) 0%) Mean 0% SD 0% (0%) 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: Fibrosarcoma		0/50 (0%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)			
#Tissue NOS: Leiomyoma		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%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tissue NOS: Paraganglioma									
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Tissue NOS: 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%	

Version: Mar2007 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	s	Toxicology Data Management System       Page: 83         Tumor Incidence for Selected Control Animal Groups       Report Date: 05/24/3         Route: GAVAGE       Vehicle: METHYLCELLULOSE					Female				
			Male			Female           0/50 (0%)         Mean 0%         SD 0%           0/50 (0%)         Mean 0%         SD 0%					
#Tissue NOS: 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%			
#Tongue: Liposarcoma		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 Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Tongue: Squamous Cell Carcinoma Overall Incidence			Mean 0%	SD 0%	Total		Mean 0%	SD 0%			
#Tongue: 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%			
#Tooth: Odontogenic 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%			

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Tumor Incide	ology Data Manageme ence for Selected Contr Route: GAVAGE ehicle: METHYLCELLU	ol Animal Groups		Page: 84 Report Dat	e: 05/24/2022
			Male				Page: 84         Report Date: 05/24/2022         Female         Mean 0%       SD 0%         Mean 0%       SD 0%	
*Urinary Bladder: Carcinoma		0/50 (00/)				0/50 (0)()		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma or 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%
*Urinary Bladder: 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%
*Urinary Bladder: 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%
*Urinary Bladder: Sarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		
#Uterus: Adenoma						0/50 (09/)		
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Mar2007 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: GAVAGE Vehicle: METHYLCELLULOSE	s	Page: 85 Report Date: 05/24/2022			
	Male		Female			
#Uterus: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Deciduoma Benign		0/50 (0%)		<b>OD</b> 97		
#Uterus: Hemangioma	Total	0/50 (0%)		SD 0%		
Overall Incidence #Uterus: Hemangiosarcoma	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
Overall Incidence #Uterus: Leiomyoma	Total	0/50 (0%)	Mean 0%	SD 0%		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Leiomyosarcoma		0/50 (0%)				
Overall Incidence *: Denominator is number of animals with tissues examined micro	Total	0/50 (0%)	Mean 0%	SD 0%		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Tumor Incidence for Selected Control Route: GAVAGE	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: METHYLCELLULOSE					
	Male			Female			
#Uterus: Polyp Stromal							
Overall Incidence		Total	13/50 (26%) 13/50 (26%)	Mean 26%	SD 0%		
#Uterus: Sarcoma Stromal							
Overall Incidence		Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%		
#Uterus: Sarcoma Stromal or Polyp Stromal							
Overall Incidence		Total	15/50 (30%) 15/50 (30%)	Mean 30%	SD 0%		
#Uterus: Schwannoma Malignant							
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
fVagina: Polyp							
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
≭Vagina: Sarcoma							
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
: Denominator is number of animals with tissues examined microsco							

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 87 Report Dat	Page: 87 Report Date: 05/24/2022					
			Male				Female		
#Zymbal's 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%	
#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									
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

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

Study 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 Battelle Columbus Laboratory	058812206 058812305	06/25/97 03/21/01	727 727	50(3) 50(3)	26(667) 26(673)	483.6 509.7	Elmiron (sodium pentosanpolysulfate) Formamide			
Battelle Columbus Laboratory	059501107	03/06/02	727	50(3)	22(673)	510.3	5-(Hydroxymethyl)-2-furfural			
					Female					
Battelle Columbus Laboratory	058812206	06/26/97	728	50(5)	30(672)	327.2	Elmiron (sodium pentosanpolysulfate)			
Battelle Columbus Laboratory Battelle Columbus Laboratory	058812305 059501107	03/20/01 03/07/02	730 728	50(5) 50(5)	38(703) 31(679)	358.3 332.2	Formamide 5-(Hydroxymethyl)-2-furfural			

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 89 Report Date: 05/24/2022					
			Male				Female	
#All Organs: Benign Tumors Overall Incidence	Total	49/50 (98%) 144/150 (96%)	45/50 (90%) Mean 96%	50/50 (100%) SD 5.29%	Total	37/50 (74%) 126/150 (84%)	43/50 (86%) Mean 84%	46/50 (92%) SD 9.17%
#All Organs:								
Malignant Tumors Overall Incidence	Total	29/50 (58%) 89/150 (59.33%)	25/50 (50%) Mean 59.33%	35/50 (70%) SD 10.07%	Total	12/50 (24%) 43/150 (28.67%)	15/50 (30%) Mean 28.67%	16/50 (32%) SD 4.16%
#All Organs: Malignant and Benign Tume	ors	49/50 (98%)	48/50 (96%)	50/50 (100%)		42/50 (84%)	49/50 (98%)	48/50 (96%)
Overall Incidence	Total	147/150 (98%)	Mean 98%	SD 2%	Total	139/150 (92.67%)	Mean 92.67%	SD 7.57%
#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		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 or Hema	angioma	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: GAVAGE Vehicle: WATER

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			Male			Female			
#All Organs: Histiocytic Sarcoma									
		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%	
#All Organs: Leukemia: Lymphocytic, M	onocytic, N	Iononuclear, or Undiffere	ntiated						
		15/50 (30%)	15/50 (30%)	28/50 (56%)		7/50 (14%)	10/50 (20%)	9/50 (18%)	
Overall Incidence	Total	58/150 (38.67%)	Mean 38.67%	SD 15.01%	Total	26/150 (17.33%)	Mean 17.33%	SD 3.06%	
Malignant Lymphoma: Hist Overall Incidence	i <b>ocytic, Ly</b> r Total	nphocytic, Mixed, NOS, or 0/50 (0%) 0/150 (0%)	r Undifferentiated Cel 0/50 (0%) Mean 0%	I Type 0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
	rotai	0/100 (0/0)	iniciality of the	02 070	rotai	0/100 (0/0)	Wearr 070	GD 070	
#All Organs: Mesothelioma: Benign		·····							
#All Organs: Mesothelioma: Benign	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: Mesothelioma: Benign Overall Incidence	Total	0/50 (0%) 0/150 (0%) S	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/150 (0%)	0/50 (0%)	0/50 (0%)	
#All Organs: Mesothelioma: Benign Overall Incidence #All Organs: Mesothelioma: Benign, Mal	Total lignant, NO	0/50 (0%) 0/150 (0%) <b>S</b> 2/50 (4%)	0/50 (0%) Mean 0% 2/50 (4%)	0/50 (0%) SD 0% 2/50 (4%)	Total	0/50 (0%) 0/150 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 2/50 (4%)	0/50 (0%) SD 0% 0/50 (0%)	
#All Organs: Mesothelioma: Benign Overall Incidence #All Organs: Mesothelioma: Benign, Mal	Total	0/50 (0%) 0/150 (0%) S	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%	
#All Organs: Mesothelioma: Benign Overall Incidence #All Organs: Mesothelioma: Benign, Mal Overall Incidence	Total lignant, NO	0/50 (0%) 0/150 (0%) <b>S</b> 2/50 (4%) 6/150 (4%)	0/50 (0%) Mean 0% 2/50 (4%) Mean 4%	0/50 (0%) SD 0% 2/50 (4%) SD 0%	Total	0/50 (0%) 0/150 (0%) 0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 0% 2/50 (4%) Mean 1.33%	0/50 (0%) SD 0% 0/50 (0%) SD 2.31%	
<ul> <li>#All Organs: Mesothelioma: Benign</li> <li>Overall Incidence</li> <li>#All Organs: Mesothelioma: Benign, Mal</li> <li>Overall Incidence</li> <li>#All Organs:</li> </ul>	Total lignant, NO	0/50 (0%) 0/150 (0%) <b>S</b> 2/50 (4%)	0/50 (0%) Mean 0% 2/50 (4%)	0/50 (0%) SD 0% 2/50 (4%)	Total	0/50 (0%) 0/150 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 2/50 (4%)	0/50 (0%) SD 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	
#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 (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: 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%
Adrenal Cortex: Adenoma		0/50 (0%)	0/50 (00/)	0/50 (0%)		4/50 (20%)	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	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
Adrenal Cortex: Carcinoma								
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%
Adrenal Medulla: Ganglioneuroma		0/50 (0%)	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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female	
*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%)	0/50 (0%) Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Beni		7/50 (14%)	9/50 (18%)	5/50 (10%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	21/150 (14%)	Mean 14%	SD 4%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
Adrenal Medulla: Pheochromocytoma Com	plex	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 Mali								
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%
Adrenal Medulla: Pheochromocytoma: Ben		t, Malignant, NOS						
Overall Incidence	Total	7/50 (14%) 21/150 (14%)	9/50 (18%) Mean 14%	5/50 (10%) SD 4%	Total	3/50 (6%) 3/150 (2%)	0/50 (0%) Mean 2%	0/50 (0%) SD 3.46%
#Blood Vessel: 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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ogy Data Manage ice for Selected Co Route: GAVA Vehicle: WAT	ontrol Animal Groups GE		Page: 93 Report Date: 05/24/2022		
			Male			Female			
#Bone: Chondrosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%	5)	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 Chond		- / / /				- / · / · )		- ()	
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 Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0% SD 1.15%	5) 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%		0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Bone: Osteosarcoma		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: Osteosarcoma or Osteoma		0/50 (0%)	0/50 (0%)	0/50 (0%	5)	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: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

## Page: 94 Report Date: 05/24/2022

			Male				Female	
Brain: Astrocytoma 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: 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: 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%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Granular Cell Tumor Beni	gn	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%	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%
Brain: Meningioma 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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ogy Data Management nce for Selected Control A Route: GAVAGE Vehicle: WATER		Page: 95 Report Date: 05/24/2022			
			Male				Female		
*Brain: Meningioma: Benign, Malig	gnant, NOS	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 Benigr	1	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 Overall Incidence	<b>ant</b> 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, Gliom Overall Incidence			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: Sarcoma		. ,	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%	
*Clitoral/Preputial Gland: Adenoma		1/50 (2%)	1/50 (2%)	5/50 (10%)		3/50 (6%)	2/50 (4%)	3/50 (6%)	
Overall Incidence	Total	7/150 (4.67%)	Mean 4.67%	SD 4.62%	Total	8/150 (5.33%)	Mean 5.33%	SD 1.15%	

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER							Page: 96 Report Date: 05/24/2022		
		Male			Female				
	1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Total	3/150 (2%)	Mean 2%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
					3/50 (6%)	2/50 (4%)	3/50 (6%)		
Total	10/150 (6.67%)	Mean 6.67%	SD 4.62%	Total	8/150 (5.33%)	Mean 5.33%	SD 1.15%		
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Total	. ,			Total	. ,	Mean 0%	SD 0%		
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
							0/50 (0%)		
Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Total	0/50 (0%)	0/50 (0%) Mean 0%	· · ·	Total	0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
	Total Total Total	Total         3/150 (2%)           2/50 (4%)           Total         10/150 (6.67%)           0/50 (0%)           Total         0/50 (0%)           Total         0/150 (0%)           0/150 (0%)         0/150 (0%)	Male           Male           1/50 (2%)         1/50 (2%)           Total         3/150 (2%)           Mean 2%         2/50 (4%)           Cotal         2/50 (4%)           2/50 (4%)         2/50 (4%)           Total         10/150 (6.67%)           Mean 6.67%         Mean 0%           Total         0/50 (0%)           0/50 (0%)         0/50 (0%)           Mean 0%         0/50 (0%)           Mean 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%)	Tumor Incidence for Selected Control A Route: GAVAGE Vehicle: WATER           Male           1/50         (2%)         1/50         (2%)         1/50         (2%)           Total         3/150         (2%)         1/50         (2%)         SD 0%         (2%)           Total         2/50         (4%)         2/50         (4%)         6/50         (12%)           Total         10/150         (6.67%)         Mean 6.67%         SD 4.62%           Otal         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%         SD 0%           Total         0/50         0%)         0/50         0%         Mean 0%         SD 0%           Total         0/50         0%)         0/50         0%         SD 0%         Mean 0%         SD 0%           0/50         0%)         0/50         0%)         0%         0%         0%           0/50         0%)         0%         0%         0%         0%         0%	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER           Male         Male           1/50 (2%)         1/50 (2%)         1/50 (2%)           Total         3/150 (2%)         1/50 (2%)         1/50 (2%)           Total         2/50 (4%)         2/50 (4%)         6/50 (12%)           Total         10/150 (6.67%)         Mean 2%         SD 4.62%         Total           0/50 (0%)         0/50 (0%)         0/50 (0%)         Total         Total	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER           Male           1/50         (2%)         1/50         (2%)         0/50         (0%)           Total         3/150         (2%)         1/50         (2%)         SD         0%         Total         0/150         (0%)           Total         3/150         (2%)         1/50         (4%)         SD         0%         Total         0/150         (0%)           10/150         (6.67%)         Mean         6.67%         SD         4.62%         Total         8/150         (5.33%)           Total         0/50         (0%)         0/50         (0%)         SD         0%         Total         0/150         (0%)           Mean 0%         SD         0%         Total         0/150         (0%)         0/150         (0%)         0/150         (0%)           Total         0/150         0%)         0/50         0%         SD         0%         Total         0/150         0%)           0/150         0%)         0/50         0%         SD         0%         Total         0/150         0%)           0/150         0%)         0/50	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER         Report Da Route: GAVAGE Vehicle: WATER           Male         Female           1/50         (2%)         1/50         (2%)         0/50         (0%)         0/50         (0%)         Mean 0%           Total         3/150         (2%)         1/50         (2%)         Total         0/150         (0%)         Mean 0%           Total         2/50         (4%)         6/50         (12%)         Total         3/150         (6%)         2/50         (4%)           Total         0/150         (0%)         Mean 6.67%         SD 4.62%         Total         8/150         (5.33%)         Mean 5.33%           Total         0/150         (0%)         0/50         (0%)         Mean 5.33%         Mean 5.33%           Total         0/50         (0%)         0/50         (0%)         Total         0/150         (0%)         Mean 0%           Total         0/150         (0%)         Mean 0%         SD 0%         Total         0/150         0%         Mean 0%           0/150         (0%)         0/50         (0%)         0/50         (0%)         Mean 0%         Mean 0%         SD 0%		

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

# Page: 97 Report Date: 05/24/2022

			Male				Female	
#Esophagus: 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%
Eye: Amelanotic Melanoma,		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%
Eye: Melanoma 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%) 0/150 (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%
Eye: 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%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Harderian Gland: 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%
Harderian 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%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

# Page: 98 Report Date: 05/24/2022

			Male				Female	
#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								
<b>.</b>	<b>T</b> ( )	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>-</b>	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 Malignant		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 Large: Colon/Rectu Adenoma	um:		0/50 (0%)	0/50 (00/)		0/50 (0%)	0/50 (00()	1/50 (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 Large: Colon/Rectu 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 Large: Colon/Rectu Carcinoma or Adenoma			0/50 (00/)	0/50 (001)		0/50 (00/1)	0/50 (00/.)	4/50 /00/)
	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007	
Contract/Lab: All Laboratories	
Species: RATS	
Strain: F 344/N	
Length of Study: CHRONIC	

# Page: 99 Report Date: 05/24/2022

			Male				Female	
#Intestine Large: Colon/Rectu Leiomyosarcoma	ım:							
	<b>T</b> ( )	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b> ( )	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 Large: Colon/Rectu Polyp Adenomatous	ım:							
<b>O</b>	<b>T</b> . ( . )	1/50 (2%)	0/50 (0%)	0/50 (0%)	Tatal	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: 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%
fIntestine 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%
fIntestine Small: Site Unspec Carcinoma	ified:	0/50 (001)	0/50 (00/1)	0/50 (001)		0/50 (00%)	0/50 (00/.)	0/50 /00/)
	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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

# Page: 100 Report Date: 05/24/2022

			Male				Female	
#Intestine Small: Site Unspe Carcinoma or Adenoma	cified:							
		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 Unspe 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: Site Unspe Leiomyosarcoma	cified:							
<b>•</b> • • • • •	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>-</b>	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%
Islets, Pancreatic: Adenoma		1/50 (2%)	2/50 (4%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
'Islets, Pancreatic: Carcinoma		·····				······		
o	<b>T</b> ( )	0/50 (0%)	1/50 (2%)	2/50 (4%)	<b>-</b>	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							1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/50 (2%) 8/150 (5.33%)	3/50 (6%) Mean 5.33%	4/50 (8%) SD 3.06%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
	TULAI	0/100 (0.00%)		3.00%	TULAI	1/100 (0.07%)		30 1.13%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

# Page: 101 Report Date: 05/24/2022

			Male				Female	
*Kidney: Pelvis and Transitio Carcinoma	onal Epitheli	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%
Kidney: Pelvis and Transitio Carcinoma or Adenoma		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%
*Kidney: Pelvis and Transitio Papilloma		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%
Kidney: Renal Tubule: Adenoma				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%
		( /			Total	0/150 (0%)		3D 0%
*Kidney: Renal Tubule: 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%
*Kidney: Renal Tubule: Carcinoma or Adenoma							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%
	rotar	1/150 (0.67%)	Wear 0.07%	30 1.13%	rotai	0/150 (0%)	wedn 0%	30 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: 102 Report Date: 05/24/2022

			Male				Female	
*Kidney: Renal Tubule: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0	9%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	, Total	( )	Mean 0%	SD 0%
Kidney: Renal Tubule: Lipoma		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		Mean 0%	SD 0%
Kidney: Renal Tubule: 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%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	Total	0/150 (0%)	0/50 (0%) Mean 0%	SD 0%
Kidney: Renal Tubule: Nephroblastoma			- ()	- (		- ()	- ()	- ()
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	l%) 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%) 0/150 (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%
Kidney: Renal Tubule: Stromal Nephroma		0/50 /00/3			••••	0/50 (027)		0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	1%) 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				
*Liver: Cholangiocarcinoma 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%) 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: Hemangiosarcoma			0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (09/)	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%			
Liver: Hepatocellular Adenoma											
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 2/150 (1.33%)	2/50 (4%) Mean 1.33%	0/50 (0%) SD 2.31%			
Liver: Hepatocellular 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%			
Liver: Hepatocellular Carcinoma d	or Hepatobla	istoma									
·	•	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%			
Liver: Hepatocellular Carcinoma d	or Hepatocel	llular Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%			

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laborator Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 104 Report Date: 05/24/2022			
			Male				Female	
-	-	ular Adenoma, or Hepatob 0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%
*Lung: Alveolar/Bronchiolar Ad						0/50 /00/)	4/50 (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%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
		. ,						
*Lung: Alveolar/Bronchiolar Ca	rcinoma	2/50 (4%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Lung: Alveolar/Bronchiolar Ca		veolar/Bronchiolar Adeno 2/50 (4%)		1/50 (2%)		0/50 (0%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
*Lung: Hemangiosarcoma								
Overell Insidence	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%
*Lung: Sarcoma		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%	0/50 (0%) SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

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		Male				Female	
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	( )				0/150 (0%)	Mean 0%	SD 0%
Total	· · ·	( )	( )	Total	( )	· · ·	0/50 (0%) SD 0%
	( )				( )		
	1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
							0/50 (0%)
Total	0/150 (0%)	Mean 0%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%
Total	1/50 (2%)	1/50 (2%)	0/50 (0%)	Tatal	1/50 (2%)	2/50 (4%)	2/50 (4%)
10tai	2/130 (1.33%)				( )		SD 1.15%
	2/50 (4%)	2/50 (4%)	1/50 (2%)		15/50 (30%)	33/50 (66%)	29/50 (58%)
Total	( )		SD 1.15%	Total	( )	33/50 (66%) Mean 51.33%	29/50 (58%) SD 18.9%
	Total Total Total	$\begin{array}{cccc} 0/50 & (0\%) \\ Total & 0/150 & (0\%) \\ \end{array} \\ \hline Total & 0/50 & (0\%) \\ \hline Total & 0/150 & (0\%) \\ \hline Total & 2/150 & (1.33\%) \\ \hline Total & 0/50 & (0\%) \\ \hline Total & 0/150 & (0\%) \\ \hline Total & 1/50 & (2\%) \\ \hline Total & 2/150 & (1.33\%) \\ \hline Total & 2/150 & (1.33\%) \\ \hline Total & 2/150 & (1.33\%) \\ \hline \end{array}$	Male           Male           0/50 (0%)         0/50 (0%)           Total         0/150 (0%)           0/150 (0%)         0/50 (0%)           Mean 0%         0/150 (0%)           Total         0/150 (0%)           0/150 (0%)         0/50 (0%)           Total         0/150 (0%)           Mean 0%         1/50 (2%)           Total         1/50 (2%)           1/50 (1.33%)         Mean 1.33%           Total         1/50 (2%)           1/50 (2%)         1/50 (2%)           Total         2/150 (1.33%)           Mean 1.33%         2/150 (1.33%)	Tumor Incidence for Selected Control / Route: GAVAGE Vehicle: WATER           Male           0/50         0%         0/50         0%         SD 0%           Total         0/150         0%         0/50         0%         SD 0%           Total         0/50         0%         0/50         0%         SD 0%           Total         0/150         0%         0/50         0%         SD 0%           Total         0/150         0%         Mean 0%         SD 0%           Total         0/150         0%         Mean 0%         SD 0%           Total         1/50         (2%)         1/50         (2%)         0/50         0%)           Total         2/150         0%         0/50         0%         SD 1.15%           Total         0/150         0%         Mean 0%         SD 0%         Mean 0%         SD 0%           Total         1/50         (2%)         1/50         (2%)         0/50         0%)           Z/50         (4%)         2/50         (4%)         1/50         (2%)	Route: GAVAGE Vehicle: WATER           Male           Total         0/50 (0%) 0/150 (0%)         0/50 (0%) Mean 0%         0/50 (0%) SD 0%         Total           Total         0/150 (0%)         0/50 (0%) Mean 0%         0/50 (0%) SD 0%         Total           Total         0/150 (0%)         0/50 (0%) Mean 0%         0/50 (0%) SD 0%         Total           1/50 (2%)         1/50 (2%) Mean 1.33%         0/50 (0%) SD 0%         Total           0/150 (0%)         0/50 (0%) Mean 0%         0/50 (0%) SD 0%         Total           1/50 (2%)         1/50 (2%) Mean 1.33%         0/50 (0%) SD 1.15%         Total           1/50 (2%)         1/50 (2%) Mean 1.33%         0/50 (0%) SD 1.15%         Total           2/150 (1.33%)         1/50 (2%) Mean 1.33%         0/50 (0%) SD 1.15%         Total	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER           Male           0/50         (0%)	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER         Report Da Route: GAVAGE Vehicle: WATER           Male         Female           0/50 (0%)         0/50 (0%)         0/50 (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%)         Mean 0%           Total         0/150 (0%)         0/50 (0%)         0/50 (0%)         0/50 (0%)         0/50 (0%)         Mean 0%           Total         0/150 (0%)         0/50 (0%)         0/50 (0%)         Total         0/150 (0%)         0/50 (0%)           Total         0/150 (0%)         0/50 (0%)         0/50 (0%)         Total         0/150 (0%)         0/50 (0%)           Total         0/150 (0%)         1/50 (2%)         0/50 (0%)         Total         0/150 (0%)         Mean 1.33%           Total         0/150 (0%)         0/50 (0%)         0/50 (0%)         Total         1/50 (2%)         2/50 (4%)           Mean 1.33%         SD 0.4         0/50 (0%)         Total         1/50 (2%)         2/50 (4%)           Mean 1.33%         SD 1.15%         Total         1/50 (2%)         2/50 (4%)         Mean 3.33%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Mar2007 Contract/Lab: All Laboratori Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 106 Report Date: 05/24/2022					
			Male				Female	
#Mammary Gland: Fibroma								
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%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
#Mammary Gland: Fibroma, Fibroadenoma	or Adenoma							
Overall Incidence	Total	4/50 (8%) 9/150 (6%)	4/50 (8%) Mean 6%	1/50 (2%) SD 3.46%	Total	15/50 (30%) 78/150 (52%)	33/50 (66%) Mean 52%	30/50 (60%) SD 19.29%
#Mammary Gland: Fibroma, Fibroadenoma,			4/50 (8%)	1/50 (2%)		16/50 (32%)	35/50 (70%)	30/50 (60%)
Overall Incidence	Total	9/150 (6%)	Mean 6%	SD 3.46%	Total	81/150 (54%)	Mean 54%	SD 19.7%
#Mesentery: Fibrosarcoma							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%
#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								
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: GAVAGE Vehicle: WATER

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			Male				Female	
#Mesentery: Liposarcoma		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%
#Mesentery: 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%
#Mesentery: Rhabdomyosarcoma		0/50 (0)()	0/50 (00()	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%
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: 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%

\*: 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					
*Nose: 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	0/150 (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%				
#Oral Cavity (Oral Mucosa Papilloma Squamous or	, Tongue, Phar	ynx, Tooth, Gingiva):										
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%				
#Oral Cavity (Oral Mucosa Squamous Cell Carcinoi		ynx, Tooth, Gingiva): 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%	o) Total	1/150 (0.67%)	1/50 (2%) Mean 0.67%	SD 1.15%				
#Oral Cavity (Oral Mucosa Squamous Cell Carcinor	, Tongue, Phar	ynx, Tooth, Gingiva):	0/50 (0%)	0/50 (0%	6)	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%				
#Oral Mucosa: Squamous Cell Carcinoi	ma											
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0% SD 0%	6) Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%				
#Oral Mucosa: Squamous Cell Papillom	na	0/50 (0%)	0/50 (0%)	0/50 (00)		0/50 (00.)	0/50 (00/)	0/50 (00/)				
- 4				0/50 (0%		0/50 (0%)	0/50 (0%)	0/50 (0%)				

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 109 Report Da	te: 05/24/2022
	Male		Female	
*Ovary: Cystadenoma				
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
'Ovary: Granulosa Cell Tumor Benign				
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
*Ovary: Granulosa Cell Tumor Malignant				
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
'Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS				
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
Ovary: Granulosa-Theca Tumor Benign				
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
*Ovary: Granulosa-Theca Tumor Malignant				
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
*: Denominator is number of animals with tissues examined microscopically		·····		

Version: Mar2007 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: 110 Report Da	<b>te:</b> 05/24/2022
			Male				Female	
*Ovary: Sarcoma								
Overall Incidence					Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
*Ovary: Thecoma Malignant								
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	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
*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								
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%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
*Pancreas: Mixed Tumor Benign		a/50 (63/)					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%

\*: 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	
*Parathyroid Gland: Adenoma		0/46 (0%)	0/48 (0%)	0/49 (0%)		1/46 (2%)	0/46 (0%)	0/48 (0%)
Overall Incidence	Total	0/143 (0%)	Mean 0%	SD 0%	Total	1/140 (0.71%)	Mean 0.72%	SD 1.26%
Peripheral Nerve: Sarcoma				0/50 (0%)		0/50 (00()	0/50 (0%)	0/50 (09/)
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%
Peripheral Nerve: Schwannoma Malignan	t	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	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%
Peripheral Nerve: Schwannoma: Benign, I			0/50 (0%/)	0/50 (0%)		0/50 (00()	0/50 (0%)	0/50 (09/)
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 Dis Adenoma	talis or Unspec							
Overall Incidence	Total	19/50 (38%) 45/150 (30%)	11/50 (22%) Mean 30%	15/50 (30%) SD 8%	Total	21/50 (42%) 67/150 (44.67%)	22/50 (44%) Mean 44.67%	24/50 (48%) SD 3.06%
Pituitary Gland: Pars Dis Carcinoma							_/ /	
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%) 3/150 (2%)	2/50 (4%) Mean 2%	1/50 (2%) SD 2%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 112 Report Da	<b>te:</b> 05/24/2022
			Male				Female	
*Pituitary Gland: Pars Distalis Carcinoma or Adenoma	s or Unspec							
Overall Incidence	Total	20/50 (40%) 46/150 (30.67%)	11/50 (22%) Mean 30.67%	15/50 (30%) SD 9.02%	Total	21/50 (42%) 70/150 (46.67%)	24/50 (48%) Mean 46.67%	25/50 (50%) SD 4.16%
Pituitary Gland: Pars Interme 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%
Pituitary Gland: Pars Interme Carcinoma				0/50 (00/)		0/50 (00/)	0/50 (00/)	0/70 (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%
Pituitary Gland: Pars Interme Carcinoma or Adenoma		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%
Prostate: Adenoma		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%				
Prostate: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%				

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 113 Report Date: 05/24/2022

			Male				Female	
*Salivary Glands: Sarcoma		0/50 (00/)	0/50 (0%/)	0/50 (0%)		0/50 (09/)	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%
Salivary Glands: Schwannoma Malignant		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%	0/50 (0%) SD 0%
Skeletal Muscle: 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%
Skeletal Muscle: 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%
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: 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%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxicolo Tumor Incideno	ogy Data Man ce for Selected Route: GA Vehicle: W	d Control A	-		Page: 114 Report Dat	e: 05/24/2022
			Male					Female	
#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%	<b>`</b>	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or Rha		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%	<b>`</b>	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Sarcoma									0/50 (00/)
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%
Skin: Basal Cell Adenoma		1/50 (2%)	1/50 (2%)	1/50	(2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	<b>`</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
#Skin: Basal Cell Adenoma or Basc	osquamous	Tumor Benign 1/50 (2%)	1/50 (2%)		(2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	(_,))	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
#Skin: Basal Cell Adenoma, Basos					(2%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	<b>`</b> ,	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

# Page: 115 Report Date: 05/24/2022

			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 o	or 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, NOS), or Trichoepitheli		oma, Basosquamous Tun 1/50 (2%)	n <b>or (benign, maligna</b> r 1/50 (2%)	nt or 1/50 (2%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%
#Skin:								
Basal or Sq. Cell Carcin Adenoma, Papilloma, S	Sq Papilloma, Ke	na, Basosq. Tumor (M or E eratoacanthoma, Trichoep 4/50 (8%) 18/150 (12%)	<b>ithelioma</b> 10/50 (20%)	4/50 (8%)	Total	1/50 (2%) 5/150 (3.33%)	4/50 (8%) Mean 3.33%	0/50 (0%) SD 4.16%
Basal or Sq. Cell Carcii Adenoma, Papilloma, S Overall Incidence		eratoacanthoma, Trichoep	ithelioma		Total	1/50 (2%) 5/150 (3.33%)	4/50 (8%) Mean 3.33%	0/50 (0%) SD 4.16%
Basal or Sq. Cell Carcii Adenoma, Papilloma, S Overall Incidence	Sq Papilloma, Ke	eratoacanthoma, Trichoep 4/50 (8%) 18/150 (12%)	i <b>thelioma</b> 10/50 (20%) Mean 12%	4/50 (8%) SD 6.93%	Total	5/150 (3.33%)	Mean 3.33%	SD 4.16%
Basal or Sq. Cell Carci Adenoma, Papilloma, S Overall Incidence #Skin: Fibroma	Sq Papilloma, Ke	eratoacanthoma, Trichoep 4/50 (8%) 18/150 (12%) 1/50 (2%)	i <b>thelioma</b> 10/50 (20%) Mean 12% 6/50 (12%)	4/50 (8%) SD 6.93% 5/50 (10%)		5/150 (3.33%) 1/50 (2%)	Mean 3.33% 1/50 (2%)	SD 4.16%
Basal or Sq. Cell Carci Adenoma, Papilloma, S Overall Incidence #Skin: Fibroma Overall Incidence	<b>Sq Papilloma, Ke</b> Total Total	eratoacanthoma, Trichoep 4/50 (8%) 18/150 (12%)	i <b>thelioma</b> 10/50 (20%) Mean 12% 6/50 (12%) Mean 8%	4/50 (8%) SD 6.93% 5/50 (10%) SD 5.29%	Total	5/150 (3.33%) 1/50 (2%) 3/150 (2%)	Mean 3.33% 1/50 (2%) Mean 2%	SD 4.16% 1/50 (2%) SD 0%
Basal or Sq. Cell Carci Adenoma, Papilloma, S Overall Incidence #Skin: Fibroma Overall Incidence #Skin:	<b>Sq Papilloma, Ke</b> Total Total	eratoacanthoma, Trichoep 4/50 (8%) 18/150 (12%) 1/50 (2%) 12/150 (8%)	ithelioma 10/50 (20%) Mean 12% 6/50 (12%) Mean 8% brous Histiocytoma	4/50 (8%) SD 6.93% 5/50 (10%) SD 5.29%	Total	5/150 (3.33%) 1/50 (2%) 3/150 (2%)	Mean 3.33% 1/50 (2%) Mean 2%	SD 4.16% 1/50 (2%) SD 0%
Basal or Sq. Cell Carci Adenoma, Papilloma, S Overall Incidence #Skin: Fibroma Overall Incidence #Skin:	<b>Sq Papilloma, Ke</b> Total Total	eratoacanthoma, Trichoep 4/50 (8%) 18/150 (12%) 1/50 (2%) 12/150 (8%)	i <b>thelioma</b> 10/50 (20%) Mean 12% 6/50 (12%) Mean 8%	4/50 (8%) SD 6.93% 5/50 (10%) SD 5.29%	Total	5/150 (3.33%) 1/50 (2%) 3/150 (2%)	Mean 3.33% 1/50 (2%) Mean 2%	SD 4.16% 1/50 (2%) SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laborato Species: RATS Strain: F 344/N Length of Study: CHRONI				ogy Data Management ace for Selected Control Route: GAVAGE Vehicle: WATER	-		Page: 116 Report Da	t <b>e:</b> 05/24/2022
			Male				Female	
#Skin: Fibrosarcoma		2/50 (4%)	0/50 (0%)	1/50 (2%)		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%
#Skin: Fibrosarcoma, Sarcoma Overall Incidence	<b>a, Myxosarcom</b> a Total	a, or Fibrous Histiocytom 2/50 (4%) 4/150 (2.67%)	a 1/50 (2%) Mean 2.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Fibrous Histiocytoma		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: 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%
		••••••						
#Skin: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)

2/50

SD 6.93%

(4%)

Total

0/50

2/150 (1.33%)

(0%)

(0%)

0/50

SD 2.31%

(4%)

Mean 1.33%

2/50

**Overall Incidence** 

Keratoacanthoma

\*: Denominator is number of animals with tissues examined microscopically

Total

(4%)

2/50

12/150 (8%)

8/50 (16%)

Mean 8%

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

### Page: 117 Report Date: 05/24/2022

			Male				Female	
#Skin: Lipoma		1/50 (2%)	0/50 (0%)	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%
#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 (00/)	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: Neurofibroma or Schwa	Innoma 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 \$								
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%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Skin: Neurofibrosarcoma, Ne	urofibroma, or	Schwannoma (benign, ma	• ,					
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%) 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

### Page: 118 Report Date: 05/24/2022

			Male				Female	
#Skin: 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%
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								
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%
fSkin: Schwannoma Malignant								
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%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Skin: Squamous Cell Carcinoma								
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: Squamous Cell Carcinoma, or Carcinoma	Basal Cell	Carcinoma, Basosquamo	ous Tumor (malignant	or NOS),				
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%

\*: 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: 119 Report Date: 05/24/2022

			Male				Female	
#Skin: Squamous Cell Papilloma	a							
		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%
#Skin: Squamous Cell Papilloma	a or Papilloma	1						
	•	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%
Overall Incidence	Total	3/50 (6%) 15/150 (10%)	9/50 (18%) Mean 10%	3/50 (6%) SD 6.93%	Total	0/50 (0%) 2/150 (1.33%)	2/50 (4%) Mean 1.33%	0/50 (0%) SD 2.31%
Squamous Cell Papilloma	-	3/50 (6%)	9/50 (18%)	3/50 (6%)	Total	0/50 (0%) 2/150 (1.33%)	2/50 (4%) Mean 1.33%	0/50 (0%) SD 2.31%
#Skin: Squamous Cell Papilloma		······	9/50 (18%)	2/50 (4%)		0/50 (0%)	2/50 (4%)	0/50 (0%)
Squamous Cell Papilloma		or Keratoacanthoma	9/50 (18%) Mean 9.33%	2/50 (4%) SD 7.57%	Total	······	2/50 (4%) Mean 1.33%	
	a, Papilloma, c	or Keratoacanthoma 3/50 (6%)	· · ·	( )	Total	0/50 (0%)	( )	0/50 (0%)
Squamous Cell Papilloma Overall Incidence #Skin: Trichoepithelioma	<b>a, Papilloma, c</b> Total	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%) 0/50 (0%)	Mean 9.33% Ó	SD 7.57%		0/50 (0%) 2/150 (1.33%) 0/50 (0%)	Mean 1.33%	0/50 (0%) SD 2.31% 0/50 (0%)
Squamous Cell Papilloma Overall Incidence #Skin: Trichoepithelioma	a, Papilloma, c	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%)	Mean 9.33%	SD 7.57%	Total Total	0/50 (0%) 2/150 (1.33%)	Mean 1.33%	0/50 (0%) SD 2.31%
Squamous Cell Papilloma Overall Incidence #Skin:	<b>a, Papilloma, c</b> Total	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%) 0/50 (0%) 0/150 (0%)	Mean 9.33% 0/50 (0%) Mean 0%	SD 7.57% 0/50 (0%) SD 0%		0/50 (0%) 2/150 (1.33%) 0/50 (0%) 1/150 (0.67%)	Mean 1.33% 1/50 (2%) Mean 0.67%	0/50 (0%) SD 2.31% 0/50 (0%) SD 1.15%
Squamous Cell Papilloma Overall Incidence #Skin: Trichoepithelioma Overall Incidence #Skin: Sebaceous Gland:	<b>a, Papilloma, c</b> Total	or Keratoacanthoma 3/50 (6%) 14/150 (9.33%) 0/50 (0%)	Mean 9.33% Ó	SD 7.57%		0/50 (0%) 2/150 (1.33%) 0/50 (0%)	Mean 1.33%	0/50 (0%) SD 2.31% 0/50 (0%)

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 120 Report Date: 05/24/2022

			Male				Female	
#Skin: Sebaceous 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%
Skin: Sebaceous Gland: Carcinoma or Adenoma						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%
fSpinal Cord: Astrocytoma 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%
Spleen: Hemangioma		0/50 (00%)	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%
Spleen: 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%
Spleen: Leiomyosarcoma								
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%

\*: 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: 121 Report Date: 05/24/2022

			Male				Female	
#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%
		0/150 (0%)			1 Ulai	0/130 (0%)		3D 0%
#Stomach, Forestomach: Lipoma								
	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%
#Stomach, Forestomach: Schwannoma Malignant				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%
		( )			1 Ulai	0/130 (0%)		3D 0%
<pre>#Stomach, Forestomach:     Squamous Cell Carcinoma</pre>								
		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%
*Stomach, Forestomach: Squamous Cell Carcinoma o	r Papillom	a Squamous						
		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%
#Stomach, Forestomach: Squamous Cell Papilloma		0.50 (001)	0/50 (00)	0/50 (00%)		0/50 (001)	0/50 (00/.)	0/50 (00/.)
<b>O</b>	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b> = ( = )	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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ogy Data Management ice for Selected Control / Route: GAVAGE Vehicle: WATER	-		Page: 122 Report Da	<b>te:</b> 05/24/2022
			Male				Female	
#Stomach, Glandular: Leiomyosarcoma		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%
#Stomach, Glandular: 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%
*Testes: Adenoma Overall Incidence	Total	44/50 (88%) 136/150 (90.67%)	44/50 (88%) Mean 90.67%	48/50 (96%) SD 4.62%				
*Thymus: Sarcoma Overall Incidence	Total	0/45 (0%) 0/142 (0%)	0/49 (0%) Mean 0%	0/48 (0%) SD 0%	Total	0/45 (0%) 0/141 (0%)	0/48 (0%) Mean 0%	0/48 (0%) SD 0%
*Thymus: Thymoma Benign		0/45 (0%)	0/49 (0%)	0/48 (0%)		0/45 (0%)	0/48 (0%)	1/48 (2%)
Overall Incidence	Total	0/142 (0%)	Mean 0%	SD 0%	Total	1/141 (0.71%)	Mean 0.69%	SD 1.2%
*Thymus: Thymoma Malignant		0/45 (0%)	0/49 (0%)	0/48 (0%)		0/45 (0%)	0/48 (0%)	0/48 (0%)
Overall Incidence	Total	0/142 (0%)	Mean 0%	SD 0%	Total	0/141 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				logy Data Management ince for Selected Control A Route: GAVAGE Vehicle: WATER	-		Page: 123 Report Da	t <b>e:</b> 05/24/2022
			Male				Female	
*Thymus: Thymoma: Benign, Malignar	nt, NOS	0/45 (0%)	0/49 (0%)	0/48 (0%)		0/45 (0%)	0/48 (0%)	1/48 (2%)
Overall Incidence	Total	0/142 (0%)	Mean 0%	SD 0%	Total	1/141 (0.71%)	Mean 0.69%	SD 1.2%
*Thyroid Gland: C-Cell: Adenoma							-/	
Overall Incidence	Total	8/50 (16%) 15/150 (10%)	6/50 (12%) Mean 10%	1/50 (2%) SD 7.21%	Total	11/50 (22%) 27/150 (18%)	5/50 (10%) Mean 18%	11/50 (22%) SD 6.93%
*Thyroid Gland: C-Cell: Carcinoma		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		10/50 (20%)	6/50 (12%)	1/50 (2%)		11/50 (22%)	5/50 (10%)	12/50 (24%)
Overall Incidence	Total	17/150 (11.33%)	Mean 11.33%	SD 9.02%	Total	28/150 (18.67%)	Mean 18.67%	SD 7.57%
*Thyroid Gland: Follicular Cell 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%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
*Thyroid Gland: Follicular Cell Carcinoma	:							
Overall Incidence	Total	2/50 (4%) 5/150 (3.33%)	1/50 (2%) Mean 3.33%	2/50 (4%) SD 1.15%	Total	1/50 (2%) 3/150 (2%)	0/50 (0%) Mean 2%	2/50 (4%) SD 2%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 124 Report Date: 05/24/2022

			Male				Female	
Thyroid Gland: Follicular C Carcinoma or Adenoma	ell:							
		2/50 (4%)	1/50 (2%)	3/50 (6%)		1/50 (2%)	0/50 (0%)	2/50 (4%)
verall Incidence	Total	6/150 (4%)	Mean 4%	SD 2%	Total	3/150 (2%)	Mean 2%	SD 2%
Tissue NOS: Fibrosarcoma								
	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Tissue NOS: Leiomyoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Tissue NOS: 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%
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%
Tissue NOS: Sarcoma		0/50 (0%)	0/50 (00)	0/50 (0)()		0/50 (0)()	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%)
verali 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: GAVAGE Vehicle: WATER

### Page: 125 Report Date: 05/24/2022

			Male				Female	
#Tissue NOS: 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%
#Tongue: 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%
#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%)	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%
FTongue: Squamous Cell Carcinoma		a Squamous						
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%
fTongue: 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%
fTooth: Odontogenic Tumor		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%	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: Mar2007
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: 126 Report Date: 05/24/2022

			Male					Female	
Urinary Bladder: 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%
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%	(0,0)	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%	(0,0)	Total	0/150 (0%)	Mean 0%	SD 0%
Urinary Bladder: Papilloma	<b></b>	0/50 (0%)	0/50 (0%)	0/50	(0%)	<b>T</b> -1-1	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: 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%	(370)	Total	0/150 (0%)	Mean 0%	SD 0%
ŧUterus: Adenoma									
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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N	Toxicology Data Management System Tumor Incidence for Selected Control Animal Grou Route: GAVAGE Vehicle: WATER	Page: 127 Report Da	nte: 05/24/2022				
Length of Study: CHRONIC	Male		Female				
#Uterus:							
Carcinoma		0/5	· · · · · · · · · · · · · · · · · · ·	0/50 (0%)	0/50 (00/)		
Overall Incidence	Total		50 (0%) 0 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Uterus:							
Deciduoma Benign		- /-	(00)				
Overall Incidence	Total	0/5 0/15	50 (0%) 0 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
	, ota						
#Uterus:							
Hemangioma		0/5	50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total		0 (0%)	Mean 0%	SD 0%		
#Uterus:							
Hemangiosarcoma							
	<b>T</b>	0/5		0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/15	0 (0%)	Mean 0%	SD 0%		
#Uterus:							
Leiomyoma			(00()	0/50 (00/)	0/50 (00/)		
Overall Incidence	Total	0/5 0/15	50 (0%) 0 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Uterus:							
Leiomyosarcoma		1/5	50 (2%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total		(0.67%)	Mean 0.67%	SD 1.15%		

Version: Mar2007 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: 128 Report Dat	<b>e:</b> 05/24/2022
	Male		Female	
#Uterus:				
Polyp Stromal		7/50 (14%)	7/50 (14%)	8/50 (16%)
Overall Incidence	Total	22/150 (14.67%)	Mean 14.67%	SD 1.15%
#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 Stromal				
Overall Incidence	Total	7/50 (14%) 22/150 (14.67%)	7/50 (14%) Mean 14.67%	8/50 (16%) SD 1.15%
∉Uterus: Schwannoma Malignant				
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
¥Vagina:				
Polyp		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%
#Vagina:				
Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 129 Report Date: 05/24/2022					
			Male	Female				
#Zymbal's Gland: 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%
#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								
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%

\*: Denominator is number of animals with tissues examined microscopically

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

Study 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	059601105	06/04/01	729	50(5)	26(676)	540.9	Cumene					
Battelle Northwest	059302607	08/14/97	733	50(5)	28(684)	509.1	Decalin					
Battelle Northwest	058800405	09/13/99	729	50(5)	31(686)	519.5	Divinylbenzene					
Battelle Northwest	059700601	05/25/00	726	50(5)	32(693)	529.7	Methyl isobutyl ketone					
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	059000407	10/06/97	729	50(5)	27(675)	540.5	Propylene glycol mono-t-butyl ether					
Battelle Northwest	059600105	01/18/99	729	50(5)	29(701)	534.2	Stoddard solvent (type IIC)					
Battelle Northwest	056142707	01/06/97	729	50(5)	20(668)	521.5	Vanadium pentoxide					
					Female							
Battelle Northwest	059601105	06/04/01	731	50(5)	21(674)	356.9	Cumene					
Battelle Northwest	059302607	08/14/97	734	50(5)	32(700)	346.6	Decalin					
Battelle Northwest	058800405	09/13/99	731	50(5)	33(679)	355.3	Divinylbenzene					
Battelle Northwest	059700601	05/25/00	727	50(5)	35(694)	365.6	Methyl isobutyl ketone					
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	059000407	10/06/97	730	50(5)	33(675)	366.9	Propylene glycol mono-t-butyl ether					
Battelle Northwest	059600105	01/18/99	730	50(5)	36(696)	363.6	Stoddard solvent (type IIC)					
Battelle Northwest	056142707	01/06/97	731	50(5)	33(688)	351.1	Vanadium pentoxide					

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

#### Page: 131 Report Date: 05/24/2022

			Male				Female	
#All Organs: Benign Tumors								
-		48/50 (96%)	47/50 (94%)	49/50 (98%)		44/50 (88%)	46/50 (92%)	43/50 (86%)
		50/50 (100%)	48/50 (96%)	48/49 (98%)		44/50 (88%)	43/50 (86%)	42/50 (84%)
		50/50 (100%)	50/50 (100%)	48/50 (96%)		41/50 (82%)	37/50 (74%)	41/50 (82%)
verall Incidence	Total	438/449 (97.55%)	Mean 97.55%	SD 2.18%	Total	381/450 (84.67%)	Mean 84.67%	SD 5.1%
All Organs: Malignant Tumors								
		36/50 (72%)	27/50 (54%)	29/50 (58%)		24/50 (48%)	25/50 (50%)	17/50 (34%)
		31/50 (62%)	32/50 (64%)	32/49 (65%)		22/50 (44%)	25/50 (50%)	26/50 (52%)
		35/50 (70%)	33/50 (66%)	28/50 (56%)		33/50 (66%)	30/50 (60%)	28/50 (56%)
Overall Incidence	Total	283/449 (63.03%)	Mean 63.03%	SD 6.14%	Total	230/450 (51.11%)	Mean 51.11%	SD 9.23%
All Organs: Malignant and Benign 1	ſumors							
0 0		50/50 (100%)	49/50 (98%)	50/50 (100%)		50/50 (100%)	49/50 (98%)	46/50 (92%)
		50/50 (100%)	50/50 (100%)	49/49 (100%)		46/50 (92%)	46/50 (92%)	47/50 (94%)
		50/50 (100%)	50/50 (100%)	50/50 (100%)		49/50 (98%)	44/50 (88%)	47/50 (94%)
Overall Incidence	Total	448/449 (99.78%)	Mean 99.78%	SD 0.67%	Total	424/450 (94.22%)	Mean 94.22%	SD 3.8%
All Organs: Hemangioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
#All Organs: Hemangiosarcoma								
·		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	2/450 (0.44%)	Mean 0.44%	SD 1.33%
#All Organs:								
Hemangiosarcoma or H	lemangioma							
_	-	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	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	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	3/450 (0.67%)	Mean 0.67%	SD 1.41%
#All Organs: Histiocytic Sarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	1/50 (2%)	0/49 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/449 (0.45%)	Mean 0.44%	SD 0.88%	Total	5/450 (1.11%)	Mean 1.11%	SD 1.76%
#All Organs:								
•	c, Monocytic, N	Iononuclear, or Undiffere	ntiated					
· · ·		26/50 (52%)	19/50 (38%)	22/50 (44%)		12/50 (24%)	11/50 (22%)	10/50 (20%)
		25/50 (50%)	26/50 (52%)	21/49 (43%)		14/50 (28%)	18/50 (36%)	20/50 (40%)
		33/50 (66%)	25/50 (50%)	22/50 (44%)		24/50 (48%)	26/50 (52%)	21/50 (42%)
Overall Incidence	Total	219/449 (48.78%)	Mean 48.76%	SD 8.04%	Total	156/450 (34.67%)	Mean 34.67%	SD 11.7%

\*: Denominator is number of animals with tissues examined microscopically

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

				Male						F	Female		
All Organs:													
Malignant Lymphoma: H	istiocytic, Lyn	nphocytic, Mixed, N	OS, or Undifferen	tiated Cel	І Туре								
		0/50 (04		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50 (09	%) 0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50 (04	%) 0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/449 (0%)	Mean		SD 0%		Total	0/450 (	,		an 0%	SD	
All Organs:													
Mesothelioma: Benign													
-		0/50 (04	%) 0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50 (04	%) 0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50 (04	%) 0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/449 (0%)	Mean	0%	SD 0%		Total	1/450 (0	.22%)	Mean	0.22%	SD 0.	67%
All Organs:													
Mesothelioma: Benign, I	Alignant, NOS	6											
<b>C</b> .	•	3/50 (69	%) 1/50	(2%)	2/50	(4%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50 (29	%) 0/50	(0%)	1/49	(2%)		0/50	(0%)	0/50	(0%)	1/50	(2%)
		2/50 (49	%) 0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	11/449 (2.45%)	Mean 2		SD 1.94%		Total	1/450 (0	,		0.22%	SD 0.	67%
All Organs:													
Mesothelioma: Malignan	t												
5		3/50 (69	%) 1/50	(2%)	2/50	(4%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50 (29	,	(0%)	1/49	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		2/50 (49	,	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	11/449 (2.45%)	Mean 2	( )	SD 1.94%	( )	Total	0/450 (	( )		an 0%	SD	· · ·

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
#All Organs: Osteoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
≮All Organs: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/449 (1.34%)	Mean 1.34%	SD 1.42%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
#All Organs: Osteosarcoma or Osteoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/449 (1.34%)	Mean 1.34%	SD 1.42%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
Adrenal Cortex: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	2/50 (4%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/49 (4%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	4/448 (0.89%)	Mean 0.9%	SD 1.78%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
Adrenal Cortex: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/49 (0%)
verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%
Adrenal Medulla: Ganglioneuroma								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)
verall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/447 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Hemangioma								
-		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)
overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/447 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Benign								
		7/50 (14%)	7/49 (14%)	12/50 (24%)		1/50 (2%)	1/50 (2%)	2/50 (4%)
		8/50 (16%)	8/50 (16%)	8/49 (16%)		3/50 (6%)	1/49 (2%)	1/50 (2%)
		12/50 (24%)	5/50 (10%)	4/50 (8%)		2/49 (4%)	2/50 (4%)	2/49 (4%)
Overall Incidence	Total	71/448 (15.85%)	Mean 15.85%	SD 5.42%	Total	15/447 (3.36%)	Mean 3.36%	SD 1.42%

\*: 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 C	omplex							
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)		0/50 (0%) 0/49 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	1/447 (0.22%)	Mean 0.22%	SD 0.67%
*Adrenal Medulla:								
Pheochromocytoma M	alignant	1/50 (2%)	2/49 (4%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	3/49 (6%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		2/50 (4%)	1/50 (2%)	1/50 (2%)		0/49 (0%)	1/50 (2%)	0/49 (0%)
Overall Incidence	Total	13/448 (2.9%)	Mean 2.91%	SD 1.8%	Total	2/447 (0.45%)	Mean 0.44%	SD 0.88%
*Adrenal Medulla:								
Pheochromocytoma: E	Senign, Complex	x, Malignant, NOS						
		7/50 (14%)	8/49 (16%)	13/50 (26%)		3/50 (6%)	1/50 (2%)	2/50 (4%)
		8/50 (16%)	10/50 (20%)	10/49 (20%)		3/50 (6%)	1/49 (2%)	1/50 (2%)
		14/50 (28%)	6/50 (12%)	5/50 (10%)		2/49 (4%)	3/50 (6%)	2/49 (4%)
Overall Incidence	Total	81/448 (18.08%)	Mean 18.08%	SD 6.09%	Total	18/447 (4.03%)	Mean 4.02%	SD 1.73%
#Blood Vessel: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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

			Male				Female	
Bone: Chondrosarcoma								
ononarosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Bone:								
Chondrosarcoma or Ch	ondroma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Bone: Chordoma								
		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/449 (0.22%)	Mean 0.23%	SD 0.68%	Total	0/450 (0%)	Mean 0%	SD 0%
Bone: Osteoma								
e c.comu		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0,00 (0,0)	(0,00)	( )		0,00 (0,0)	5,00 (0,5)	(0,0)
		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: INHALATION Vehicle: AIR

			Male				Female	
Bone: Osteosarcoma								
Osteosarcoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	6/449 (1.34%)	Mean 1.34%	SD 1.42%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
Bone: Osteosarcoma or Osteoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	6/449 (1.34%)	Mean 1.34%	SD 1.42%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
Brain: 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%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
verall Incidence	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%
Brain: Ependymoma 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%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
verall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/448 (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: Glioma Malignant								
-		0/50 (0%)	0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	2/448 (0.45%)	Mean 0.44%	SD 0.88%
Brain: Granular Cell Tumor Beni								
	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%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
Brain: Medulloblastoma Mal								
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/448 (0%)	Mean 0%	SD 0%
Brain: Meningioma 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%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/448 (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: Meningioma: Benign, M	Aalignant, NOS							
	-	0/50 (0%) 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%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
Brain:								
Oligodendroglioma Be	nian							
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
Brain:								
Oligodendroglioma Ma	lignant							
		0/50 (0%)	0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%
Brain:								
Oligodendroglioma, Gl	ioma, or Astrocy	rtoma						
		0/50 (0%)	0/50 (0%)	0/49 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	2/50 (4%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%	Total	4/448 (0.89%)	Mean 0.89%	SD 1.76%

\*: 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: 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%)	0/50 (0%) 0/50 (0%)	0/49 (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	0/448 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	0/48 (0%)		1/50 (2%)	8/48 (17%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	3/49 (6%)		0/50 (0%)	0/50 (0%)	4/50 (8%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/49 (0%)	2/50 (4%)
Overall Incidence	Total	4/447 (0.89%)	Mean 0.9%	SD 2.07%	Total	16/447 (3.58%)	Mean 3.63%	SD 5.56%
Clitoral/Preputial Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/48 (0%)		2/50 (4%)	1/48 (2%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	0/49 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	1/49 (2%)	0/50 (0%)
Overall Incidence	Total	4/447 (0.89%)	Mean 0.89%	SD 1.45%	Total	8/447 (1.79%)	Mean 1.79%	SD 1.57%
Clitoral/Preputial Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/48 (0%)		3/50 (6%)	9/48 (19%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	3/49 (6%)		1/50 (2%)	1/50 (2%)	4/50 (8%)
		2/50 (4%)	0/50 (0%)	0/50 (0%)		3/50 (6%)	1/49 (2%)	2/50 (4%)
Overall Incidence	Total	8/447 (1.79%)	Mean 1.79%	SD 2.36%	Total	24/447 (5.37%)	Mean 5.42%	SD 5.6%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
*Clitoral/Preputial Gland: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/48 (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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/447 (0%)	Mean 0%	SD 0%	Total	1/447 (0.22%)	Mean 0.22%	SD 0.67%
*Clitoral/Preputial Gland: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/48 (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%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/447 (0%)	Mean 0%	SD 0%	Total	0/447 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/48 (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%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/447 (0%)	Mean 0%	SD 0%	Total	0/447 (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%)	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%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.23%	SD 0.68%	Total	0/450 (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	
#Esophagus: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
/Eye:								
Amelanotic Melanoma,	Benign							
	-	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
∕Eye: Melanoma Benign								
Ŭ		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
⊭Eye: Schwannoma Malignan								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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	
#Harderian Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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%)	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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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%)	0/50 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Heart: Schwannoma Benign								
5		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.23%	SD 0.68%	Total	0/449 (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

			Male				Female	
Heart: Schwannoma Malignant								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)
overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/449 (0%)	Mean 0%	SD 0%
fIntestine Large: Colon/Re Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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%)	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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Intestine Large: Colon/Re Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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

			Male				Female	
Intestine Large: Colon/Rec Leiomyosarcoma	tum:							
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Intestine Large: Colon/Rec Polyp Adenomatous								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Verall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/450 (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%)	0/50 (0%)	0/49 (0%)		0/50 (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	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/450 (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%)	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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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: Jejunur Leiomyosarcoma	n:							
-		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%) 0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Un Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (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	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/450 (0%)	Mean 0%	SD 0%
Intestine Small: Site Un Carcinoma or Adenom	•							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (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	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/450 (0%)	Mean 0%	SD 0%
Intestine Small: Site Un Leiomyoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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

			Male				Female	
Intestine Small: Site Unspe Leiomyosarcoma	cified:							
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Islets, Pancreatic: Adenoma								
		1/50 (2%)	3/50 (6%)	5/50 (10%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
		3/50 (6%)	3/50 (6%)	4/49 (8%)		0/50 (0%)	3/50 (6%)	1/50 (2%)
		4/50 (8%)	3/50 (6%)	1/50 (2%)		0/49 (0%)	1/49 (2%)	1/49 (2%)
Verall Incidence	Total	27/449 (6.01%)	Mean 6.02%	SD 2.66%	Total	9/447 (2.01%)	Mean 2.01%	SD 1.73%
Islets, Pancreatic: Carcinoma								
		2/50 (4%)	4/50 (8%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
		4/50 (8%)	1/50 (2%)	5/49 (10%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)		1/49 (2%)	0/49 (0%)	1/49 (2%)
overall Incidence	Total	19/449 (4.23%)	Mean 4.24%	SD 3.57%	Total	4/447 (0.89%)	Mean 0.9%	SD 1.06%
Islets, Pancreatic: Carcinoma or Adenoma								
		3/50 (6%)	7/50 (14%)	6/50 (12%)		2/50 (4%)	2/50 (4%)	1/50 (2%)
		7/50 (14%)	4/50 (8%)	9/49 (18%)		0/50 (0%)	3/50 (6%)	1/50 (2%)
		4/50 (8%)	4/50 (8%)	2/50 (4%)		1/49 (2%)	1/49 (2%)	2/49 (4%)
Overall Incidence	Total	46/449 (10.24%)	Mean 10.26%	SD 4.6%	Total	13/447 (2.91%)	Mean 2.91%	SD 1.77%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
Kidney: Pelvis and Trans Carcinoma	itional Epitheliu	um:						
		0/50 (0%)	1/50 (2%)	1/50 (2%)		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%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/449 (0.45%)	Mean 0.44%	SD 0.88%	Total	0/447 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Trans Carcinoma or Adenoma	itional Epitheliu							
		0/50 (0%)	1/50 (2%)	1/50 (2%)		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%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/449 (0.45%)	Mean 0.44%	SD 0.88%	Total	0/447 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Trans Papilloma	itional Epitheliu	um:						
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/447 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Adenoma								
		1/50 (2%)	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%)	0/49 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	4/449 (0.89%)	Mean 0.89%	SD 1.05%	Total	0/447 (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: Carcinoma								
		1/50 (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%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/449 (0.45%)	Mean 0.44%	SD 0.88%	Total	0/447 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma								
		2/50 (4%)	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%)	0/49 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	6/449 (1.34%)	Mean 1.33%	SD 1.41%	Total	0/447 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/447 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Lipoma								
-		1/50 (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%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/447 (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: Liposarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		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%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/447 (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%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/447 (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%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/447 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Stromal Nephroma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/447 (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

			Male				Female	
*Liver: Cholangiocarcinoma								
		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%)	0/49 (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	0/449 (0%)	Mean 0%	SD 0%	Total	0/448 (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%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (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	0/449 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>.</b>	<b>T</b> ( )	3/50 (6%)	0/50 (0%)	0/50 (0%)	<b>-</b>	1/49 (2%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	4/449 (0.89%)	Mean 0.89%	SD 2.03%	Total	2/448 (0.45%)	Mean 0.45%	SD 0.89%
*Liver: Hepatocellular Carcinoma								
		0/50 (0%)	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%)
O	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b> . ( . 1	0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.23%	SD 0.68%	Total	0/448 (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

			Male				Female	
*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%)
		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%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.23%	SD 0.68%	Total	0/448 (0%)	Mean 0%	SD 0%
*Liver:								
Hepatocellular Carcino	oma or Hepatoce	ellular Adenoma						
-	-	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	0/50 (0%)	0/50 (0%)		1/49 (2%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	5/449 (1.11%)	Mean 1.12%	SD 2.03%	Total	2/448 (0.45%)	Mean 0.45%	SD 0.89%
*Liver:								
Hepatocellular Carcino	oma, Hepatocellu	ular Adenoma, or Hepato	blastoma					
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	0/50 (0%)	0/50 (0%)		1/49 (2%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	5/449 (1.11%)	Mean 1.12%	SD 2.03%	Total	2/448 (0.45%)	Mean 0.45%	SD 0.89%
*Lung:								
*Lung: Alveolar/Bronchiolar <i>I</i>	Adenoma							
*Lung: Alveolar/Bronchiolar A	Adenoma	1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
-	Adenoma	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 1/50 (2%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
-	Adenoma	( )	. ,	( )		( )	( )	( )

\*: 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 C	arcinoma							
		1/50 (2%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	5/449 (1.11%)	Mean 1.11%	SD 1.05%	Total	3/448 (0.67%)	Mean 0.67%	SD 1%
*Lung:		veolar/Bronchiolar Adeno						
		2/50 (4%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
		1/50 (2%)	2/50 (4%)	4/50 (8%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	13/449 (2.9%)	Mean 2.89%	SD 2.47%	Total	5/448 (1.12%)	Mean 1.11%	SD 1.45%
′Lung: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/49 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
'Lung: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/49 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/448 (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

			Male				Female	
*Lung: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	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%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/448 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Sarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/450 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/49 (4%)		0/50 (0%)	0/50 (0%)	3/50 (6%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/449 (0.67%)	Mean 0.68%	SD 1.44%	Total	4/450 (0.89%)	Mean 0.89%	SD 2.03%
#Mammary Gland: Carcinoma								
		2/50 (4%)	1/50 (2%)	1/50 (2%)		10/50 (20%)	5/50 (10%)	3/50 (6%)
		2/50 (4%)	0/50 (0%)	0/49 (0%)		5/50 (10%)	3/50 (6%)	7/50 (14%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		5/50 (10%)	4/50 (8%)	2/50 (4%)
Overall Incidence	Total	6/449 (1.34%)	Mean 1.33%	SD 1.73%	Total	44/450 (9.78%)	Mean 9.78%	SD 4.84%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
#Mammary Gland: Carcinoma or Adenoma								
		2/50 (4%)	2/50 (4%)	1/50 (2%)		10/50 (20%)	5/50 (10%)	3/50 (6%)
		2/50 (4%)	0/50 (0%)	2/49 (4%)		5/50 (10%)	3/50 (6%) 1	0/50 (20%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		5/50 (10%)	4/50 (8%)	3/50 (6%)
Verall Incidence	Total	9/449 (2%)	Mean 2.01%	SD 2.01%	Total	48/450 (10.67%)	Mean 10.67%	SD 5.57%
Mammary Gland: Fibroadenoma								
		0/50 (0%)	2/50 (4%)	1/50 (2%)		24/50 (48%)	25/50 (50%) 2	0/50 (40%)
		2/50 (4%)	1/50 (2%)	1/49 (2%)		22/50 (44%)	22/50 (44%) 2	6/50 (52%)
		2/50 (4%)	3/50 (6%)	2/50 (4%)		25/50 (50%)	19/50 (38%) 1	6/50 (32%)
Verall Incidence	Total	14/449 (3.12%)	Mean 3.12%	SD 1.76%	Total	199/450 (44.22%)	Mean 44.22%	SD 6.59%
Mammary Gland: Fibroma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (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%)	0/50 (0%)
Verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma or								
		0/50 (0%)	3/50 (6%)	1/50 (2%)		24/50 (48%)	25/50 (50%) 2	0/50 (40%)
		2/50 (4%)	1/50 (2%)	3/49 (6%)		22/50 (44%)	22/50 (44%) 2	8/50 (56%)
		2/50 (4%)	3/50 (6%)	2/50 (4%)		25/50 (50%)	19/50 (38%) 1	7/50 (34%)
Overall Incidence	Total	17/449 (3.79%)	Mean 3.79%	SD 2.12%	Total	202/450 (44.89%)	Mean 44.89%	SD 6.86%

\*: Denominator is number of animals with tissues examined microscopically

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

Total	Adenoma 2/50 4/50 2/50 22/449 (4.99 0/50 0/50				1/50 3/49 2/50 SD 2.27%		Total	31/50 26/50 27/50 232/450 (5	,		(58%) (48%) (46%) 51.56%	22/50 31/50 19/50 SD 8	
Total	2/50 4/50 2/50 22/449 (4.99 0/50	(8%) (4%) %)	1/50 3/50 Mean 4	(2%) (6%) 1.9%	3/49 2/50 SD 2.27%	(6%) (4%)		26/50 27/50 232/450 (క	(52%) (54%) 51.56%)	24/50 23/50 Mean	(48%) (46%) 51.56%	31/50 19/50 SD 8	(62%) (38%) .29%
	4/50 2/50 22/449 (4.99 0/50	(8%) (4%) %)	1/50 3/50 Mean 4	(2%) (6%) 1.9%	3/49 2/50 SD 2.27%	(6%) (4%)		26/50 27/50 232/450 (క	(52%) (54%) 51.56%)	24/50 23/50 Mean	(48%) (46%) 51.56%	31/50 19/50 SD 8	(62%) (38%) .29%
	2/50 22/449 (4.99 0/50	(4%) %)	3/50 Mean 4	(6%) 4.9%	2/50 SD 2.27%	(4%)		27/50 232/450 (	(54%) 51.56%)	23/50 Mean	(46%) 51.56%	19/50 SD 8	(38%) .29%
	22/449 (4.99 0/50	%)	Mean 4	4.9% <sup>´</sup>	SD 2.27%	, , , , , , , , , , , , , , , , , , ,		232/450 (	51.56%)	Mean	51.56%	SD 8	.29%
	0/50							```	,				
	0/50							••••••		•••••			
		(0%)	0/50										
		(0%)	0/50										
	0/50		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		(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%)	0/50	(0%)
Total	0/449 (0%)	)	Mean	0%	SD 0%	. ,	Total	0/450	(0%)	Me	an 0%	SD	0%
	0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		· · /		```		( )			· · /		```		(0%)
		· · ·		· · ·		. ,			( )		· · ·		(0%)
Total		( )		( )		(078)	Total		· · ·		( )		. ,
	· · ·	,							()			-	
	0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	· · ·		· · /	0/49	· · ·		0/50	( )		( )	0/50	(0%)
		· · /		( )		· · ·			· · /		· · ·		(0%)
Total		( )		( )		( · · · · /	Total		· · ·		( )		· · ·
•		0/50 0/50 0/50 0/50	0/50 (0%) 0/50 (0%) otal 0/449 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50 Total 0/449 (0%) Mean 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) otal 0/449 (0%) Mean 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%)         0/49           0/50         (0%)         0/50         (0%)         0/50           otal         0/49         (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%	0/50         (0%)         0/50         (0%)         0/49         (0%)           0/50         (0%)         0/50         (0%)         0/50         (0%)           o/tal         0/449         (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%)         0/49         (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%)           o/tal         0/449         (0%)         Mean         0%         SD         0%         Total           0/50         (0%)         0/50         (0%)         0/50         (0%)         Total           0/50         (0%)         0/50         (0%)         0/50         (0%)         0/50           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%)         0/50         (0%)         0/49         (0%)         0/50           0/50         (0%)         0/50         (0%)         0/50         (0%)         0/50           'otal         0/449         (0%)         Mean         0%         SD         0%         Total         0/450           0/50         (0%)         0/50         (0%)         0/50         0%         Total         0/450         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 <td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td> <td>0/50         (0%)         0/50         (0%)         0/49         (0%)         0/50         (0%)         0/50         <th< td=""><td>0/50         (0%)         0/50         (0%)         0/49         (0%)         0/50         (0%)         Mean 0%         SD 0%         Total         0/449         (0%)         Mean 0%         Mean 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%)</td><td>0/50         (0%)         0/50         (0%)         0/49         (0%)         0/50         (0%)         <th< td=""></th<></td></th<></td>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0/50         (0%)         0/50         (0%)         0/49         (0%)         0/50         (0%)         0/50 <th< td=""><td>0/50         (0%)         0/50         (0%)         0/49         (0%)         0/50         (0%)         Mean 0%         SD 0%         Total         0/449         (0%)         Mean 0%         Mean 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%)</td><td>0/50         (0%)         0/50         (0%)         0/49         (0%)         0/50         (0%)         <th< td=""></th<></td></th<>	0/50         (0%)         0/50         (0%)         0/49         (0%)         0/50         (0%)         Mean 0%         SD 0%         Total         0/449         (0%)         Mean 0%         Mean 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%)         0/49         (0%)         0/50         (0%) <th< td=""></th<>

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
Mesentery: Liposarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Mesentery: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Mesentery: Rhabdomyosarcoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Nose: Adenoma								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/447 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/446 (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

			Male				Female	
Nose: Chondroma								
		0/50 (0%)	0/49 (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%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	1/50 (2%)
Verall Incidence	Total	0/447 (0%)	Mean 0%	SD 0%	Total	2/446 (0.45%)	Mean 0.44%	SD 0.88%
Nose: Sarcoma								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Verall Incidence	Total	0/447 (0%)	Mean 0%	SD 0%	Total	0/446 (0%)	Mean 0%	SD 0%
Nose: Squamous Cell Carcinoma								
-		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
overall Incidence	Total	0/447 (0%)	Mean 0%	SD 0%	Total	0/446 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucosa, T Papilloma Squamous or Pa	ongue, Phar							
	-	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
Oral Cavity (Oral Mucos Squamous Cell Carcino		ynx, Tooth, Gingiva):						
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	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%)	0/50 (0%)
verall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	2/450 (0.44%)	Mean 0.44%	SD 1.33%
Oral Cavity (Oral Mucos Squamous Cell Carcino			0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%)	3/50 (6%) 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%)
Overall Incidence	Total	2/449 (0.45%)	Mean 0.44%	SD 0.88%	Total	3/450 (0.67%)	Mean 0.67%	SD 2%
Oral Mucosa: Squamous Cell Carcino								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)
verall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
Oral Mucosa: Squamous Cell Papillor	ma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups		Page: 161 Report Date: 05/24/2022			
Species: RATS	Route: INHALATION					
Strain: F 344/N	Vehicle: AIR					
Length of Study: CHRONIC						
	Male		Female			
*Ovary:						
Cystadenoma		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%)		
Overall Incidence	Total	0/450 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Benign						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/450 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Malignant						
		0/50 (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	1/450 (0.22%)	Mean 0.22%	SD 0.67%		
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS						
		0/50 (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	1/450 (0.22%)	Mean 0.22%	SD 0.67%		

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

Version: Mar2007 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	idence for Selected Control Animal Groups Route: INHALATION						
	Male		Female					
*Ovary:								
Granulosa-Theca Tumor Benign		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%)				
Overall Incidence	Total	0/450 (0%)	Mean 0%	SD 0%				
*Ovary: Granulosa-Theca Tumor Malignant								
<b>J</b>		0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
		1/50 (2%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%				
*Ovary: Sarcoma								
		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%)				
Overall Incidence	Total	0/450 (0%)	Mean 0%	SD 0%				
*Ovary: Thecoma Malignant								
-		0/50 (0%)	1/50 (2%)	0/50 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%				

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

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

			Male				Female	
Pancreas: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
Pancreas: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
Pancreas: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/448 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Benign								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (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%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/449 (0.45%)	Mean 0.45%	SD 1.36%	Total	0/448 (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	
*Parathyroid Gland: Adenoma								
		0/45 (0%)	0/49 (0%)	0/46 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/49 (0%)	0/47 (0%)	0/47 (0%)		0/46 (0%)	0/43 (0%)	0/49 (0%)
<b>-</b>		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/45 (0%)
Overall Incidence	Total	0/431 (0%)	Mean 0%	SD 0%	Total	0/428 (0%)	Mean 0%	SD 0%
#Peripheral Nerve: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Peripheral Nerve: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Peripheral Nerve: Schwannoma: Benign, Mal								
<b>C</b> .		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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

			Male				Female	
Pituitary Gland: Pars Di	stalis or Unspe	cified Site:						
Adenoma							/	
		36/50 (72%)	27/50 (54%)	36/50 (72%)		35/50 (70%)	34/50 (68%)	37/50 (74%)
		35/50 (70%)	34/49 (69%)	36/49 (73%)		24/49 (49%)	35/50 (70%)	30/50 (60%)
		35/50 (70%)	38/50 (76%)	35/50 (70%)		30/49 (61%)	27/49 (55%)	31/49 (63%)
verall Incidence	Total	312/448 (69.64%)	Mean 69.65%	SD 6.24%	Total	283/446 (63.45%)	Mean 63.4%	SD 8.01%
Pituitary Gland: Pars Dis Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/446 (0.22%)	Mean 0.22%	SD 0.67%
Pituitary Gland: Pars Dis Carcinoma or Adenom	stalis or Unspe							
		36/50 (72%)	27/50 (54%)	36/50 (72%)		36/50 (72%)	34/50 (68%)	37/50 (74%)
		35/50 (70%)	34/49 (69%)	36/49 (73%)		24/49 (49%)	35/50 (70%)	30/50 (60%)
		35/50 (70%)	39/50 (78%)	35/50 (70%)		30/49 (61%)	27/49 (55%)	31/49 (63%)
Overall Incidence	Total	313/448 (69.87%)	Mean 69.87%	SD 6.52%	Total	284/446 (63.68%)	Mean 63.62%	SD 8.24%
Pituitary Gland: Pars Int	ermedia:							
Adenoma								
•		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%) 0/49 (0%)	0/50 (0%) 1/49 (2%)		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

					Male						I	Female		
Pituitary Gland: Pars Interm Carcinoma	nedia:													
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/49	(0%)		0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/49	(0%)	0/49	(0%)	0/49	(0%)
Overall Incidence	Total	0/448 (0%)	)	Mean	0%	SD 0%		Total	0/446 (	0%)	Mea	an 0%	SD	0%
Pituitary Gland: Pars Interm 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%)	1/49	(2%)		0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/49	(0%)	0/49	(0%)	0/49	(0%)
Overall Incidence	Total	1/448 (0.229		Mean 0		SD 0.68%		Total	0/446 (	,		an 0%	SD	
Prostate: Adenoma														
		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%)							
Overall Incidence	Total	0/449 (0%)	,	Mean		SD 0%								
Prostate: Carcinoma or Adenoma														
		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%)							
Overall Incidence	Total	0/449 (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	
Salivary Glands: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)
Verall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/449 (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%)	0/50 (0%)	0/49 (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%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/449 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
∜Skeletal Muscle: Hemangioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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

			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%)	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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Lipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	2/450 (0.44%)	Mean 0.44%	SD 0.88%
#Skeletal Muscle: Rhabdomyosarcoma or F								
-	-	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	2/450 (0.44%)	Mean 0.44%	SD 0.88%

\*: 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: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma								
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)
Overall Incidence	Total	4/449 (0.89%)	Mean 0.89%	SD 1.06%	Total	0/450 (0%)	Mean 0%	SD 0%
¥Skin: Basal Cell Adenoma or I	Basosquamou	s Tumor Benian						
Basar och Adenoma or	Busesquameu	1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)
Overall Incidence	Total	4/449 (0.89%)	Mean 0.89%	SD 1.06%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma, Ba		Гumor Benign, or Trichoe						
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	0/50 (0%)
Overall Incidence	Total	5/449 (1.11%)	Mean 1.12%	SD 1.06%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
≮Skin: Basal Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
Skin:								
Basal Cell Carcinoma	or Basosquamo	us Tumor (malignant or	•					
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
01.1								
NOS), or Trichoepithel Dverall Incidence	l <b>ioma</b> Total	oma, Basosquamous T 1/50 (2%) 0/50 (0%) 0/50 (0%) 5/449 (1.11%)	1/50 (2%) 1/50 (2%) 0/50 (0%) Mean 1.12%	1/50 (2%) 1/49 (2%) 0/50 (0%) SD 1.06%	Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 2/450 (0.44%)	1/50 (2%) 0/50 (0%) 0/50 (0%) Mean 0.44%	0/50 (0%) 1/50 (2%) 0/50 (0%) SD 0.88%
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence	l <b>ioma</b> Total	1/50 (2%) 0/50 (0%) 0/50 (0%) 5/449 (1.11%)	1/50 (2%) 1/50 (2%) 0/50 (0%) Mean 1.12%	1/50 (2%) 1/49 (2%) 0/50 (0%) SD 1.06%		0/50 (0%) 0/50 (0%) 2/450 (0.44%)	0/50 (0%) 0/50 (0%) Mean 0.44%	1/50 (2%) 0/50 (0%)
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci	lioma Total inoma, Carcinom	1/50 (2%) 0/50 (0%) 0/50 (0%) 5/449 (1.11%)	1/50 (2%) 1/50 (2%) 0/50 (0%) Mean 1.12%	1/50 (2%) 1/49 (2%) 0/50 (0%) SD 1.06%		0/50 (0%) 0/50 (0%) 2/450 (0.44%)	0/50 (0%) 0/50 (0%) Mean 0.44%	1/50 (2%) 0/50 (0%)
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence Skin: Basal or Sq. Cell Carci	lioma Total inoma, Carcinom	1/50 (2%) 0/50 (0%) 0/50 (0%) 5/449 (1.11%)	1/50 (2%) 1/50 (2%) 0/50 (0%) Mean 1.12%	1/50 (2%) 1/49 (2%) 0/50 (0%) SD 1.06%		0/50 (0%) 0/50 (0%) 2/450 (0.44%)	0/50 (0%) 0/50 (0%) Mean 0.44%	1/50 (2%) 0/50 (0%)
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci	lioma Total inoma, Carcinom	1/50 (2%) 0/50 (0%) 0/50 (0%) 5/449 (1.11%) na, Basosq. Tumor (M o eratoacanthoma, Tricho	1/50 (2%) 1/50 (2%) 0/50 (0%) Mean 1.12% r B), Basal Cell Adenor epithelioma	1/50 (2%) 1/49 (2%) 0/50 (0%) SD 1.06% na,		0/50 (0%) 0/50 (0%) 2/450 (0.44%)	0/50 (0%) 0/50 (0%) Mean 0.44%	1/50 (2%) 0/50 (0%) SD 0.88%
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci	lioma Total inoma, Carcinom	1/50 (2%) 0/50 (0%) 0/50 (0%) 5/449 (1.11%) ma, Basosq. Tumor (M o pratoacanthoma, Tricho 5/50 (10%)	1/50 (2%) 1/50 (2%) 0/50 (0%) Mean 1.12% r B), Basal Cell Adenor epithelioma 3/50 (6%)	1/50 (2%) 1/49 (2%) 0/50 (0%) SD 1.06% na, 2/50 (4%)		0/50 (0%) 0/50 (0%) 2/450 (0.44%) 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0.44% 1/50 (2%)	1/50 (2%) 0/50 (0%) SD 0.88% 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					
#Skin: Fibroma											
		3/50 (6%)	2/50 (4%)	5/50 (10%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		4/50 (8%)	4/50 (8%)	3/49 (6%)		0/50 (0%)	1/50 (2%)	1/50 (2%)			
		2/50 (4%)	2/50 (4%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	27/449 (6.01%)	Mean 6.01%	SD 2.24%	Total	4/450 (0.89%)	Mean 0.89%	SD 1.05%			
#Skin:											
Fibroma, Fibrosarcom	a, Sarcoma, My	koma, Myxosarcoma, or F	ibrous Histiocytoma								
		3/50 (6%)	4/50 (8%)	6/50 (12%)		1/50 (2%)	2/50 (4%)	0/50 (0%)			
		5/50 (10%)	5/50 (10%)	4/49 (8%)		0/50 (0%)	1/50 (2%)	2/50 (4%)			
		3/50 (6%)	3/50 (6%)	6/50 (12%)		3/50 (6%)	0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	39/449 (8.69%)	Mean 8.68%	SD 2.44%	Total	10/450 (2.22%)	Mean 2.22%	SD 2.11%			
#Skin: Fibrosarcoma											
Fibrosarconia		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)			
		1/50 (2%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)			
		1/50 (2%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	8/449 (1.78%)	Mean 1.78%	SD 1.2%	Total	3/450 (0.67%)	Mean 0.67%	SD 1%			
#Skin:											
	na. Mvxosarcom	a, or Fibrous Histiocytom	а								
· · · · · · · · · · · · · · · · · · ·		0/50 (0%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	2/50 (4%)	0/50 (0%)			
		1/50 (2%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)			
		1/50 (2%)	1/50 (2%)	4/50 (8%)		2/50 (4%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	12/449 (2.67%)	Mean 2.67%	SD 2.23%	Total	6/450 (1.33%)	Mean 1.33%	SD 1.73%			

\*: Denominator is number of animals with tissues examined microscopically

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

# Page: 172 Report Date: 05/24/2022

			Male				Female	
#Skin: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 3/449 (0.67%)	0/50 (0%) Mean 0.67%	2/50 (4%) SD 1.41%	Total	1/50 (2%) 2/450 (0.44%)	0/50 (0%) Mean 0.44%	0/50 (0%) SD 0.88%
	•••••	••••••			•••••			
#Skin: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma								
C		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma								
		4/50 (8%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	4/49 (8%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	4/50 (8%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	15/449 (3.34%)	Mean 3.35%	SD 3.63%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%

\*: Denominator is number of animals with tissues examined microscopically

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

### Page: 173 Report Date: 05/24/2022

			Male			Female				
#Skin: Lipoma										
		0/50 (0%)	0/50 (0%)	1/50 (2%)		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%)		
• ··· ··		1/50 (2%)	2/50 (4%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	9/449 (2%)	Mean 2.01%	SD 1.74%	Total	0/450 (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%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%		
#Skin: Neural Crest Tumor										
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%		
#Skin: Neurofibroma or Schwa										
	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%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%		

\*: Denominator is number of animals with tissues examined microscopically

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

### Page: 174 Report Date: 05/24/2022

			Male				Female	
#Skin:								
Neurofibrosarcoma or	Schwannoma (r	malignant or NOS)						
		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/449 (0.45%)	Mean 0.45%	SD 0.89%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skin:								
	eurofibroma, or	Schwannoma (benign, ma	alignant or NOS)					
	• • • • • • • • • • • • • • • • • • •	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/449 (0.45%)	Mean 0.45%	SD 0.89%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
#Skin:								
Osteosarcoma								
Osteosaroonia		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skin:								
Sarcoma		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	1/50 (20/)	0/50 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>O</b>	<b>T</b> = 1 = 1	0/50 (0%)	0/50 (0%)	1/50 (2%)	<b>T</b> - ( - )	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%

\*: Denominator is number of animals with tissues examined microscopically

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

### Page: 175 Report Date: 05/24/2022

			Male		Female				
#Skin: Schwannoma Benign									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (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%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%	
≮Skin: Schwannoma Malignant									
-		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/449 (0.45%)	Mean 0.45%	SD 0.89%	Total	0/450 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Carcinom									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)	
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Carcinoma or Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)		0/50 (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

			Male				Female	
#Skin: Squamous Cell Papillo	oma							
		0/50 (0%)	( )	1/50 (2%)		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%)	( )	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/449 (1.11%)	Mean 1.11%	SD 1.05%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skin:								
Squamous Cell Papillo	oma or Papilloma	a						
		0/50 (0%)	1/50 (2%)	1/50 (2%)		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%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/449 (1.11%)	Mean 1.11%	SD 1.05%	Total	0/450 (0%)	Mean 0%	SD 0%
#Skin:								
Squamous Cell Papillo	ک, Papilloma	Squamous Cell Carcir	oma or Keratoacanthom	a				
		4/50 (8%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	4/49 (8%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	1/50 (2%)	5/50 (10%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		20/449 (4.45%)	Mean 4.46%	SD 3.45%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
	Total	( )						
		( )	Mean 4.40%					
#Skin:		·····						
		·····				·····		0/50 (0%)
#Skin:		or Keratoacanthoma		1/50 (2%)		·····		( )
#Skin:		or Keratoacanthoma 4/50 (8%)	2/50 (4%) 1/50 (2%)	1/50 (2%)		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				
#Skin: Trichoepithelioma										
-		0/50 (0%)	0/50 (0%)	1/50 (2%)		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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%		
#Skin: Sebaceous Gland: Adenoma										
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	7/449 (1.56%)	Mean 1.56%	SD 1.94%	Total	0/450 (0%)	Mean 0%	SD 0%		
∜Skin: Sebaceous Gland: Carcinoma										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)		
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%		
#Skin: Sebaceous Gland: Carcinoma or Adenoma										
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	7/449 (1.56%)	Mean 1.56%	SD 1.94%	Total	0/450 (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	
≭Spinal Cord: Astrocytoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
verall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
Spleen: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	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%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/448 (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%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%
Spleen: Leiomyosarcoma								
-		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	0/448 (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%)	0/50 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Lipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
≭Stomach, Forestomach: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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%)	0/50 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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

				Male				Female					
#Stomach, Forestomach:													
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%)
		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%)	0/50	(0%)
Overall Incidence	Total	0/449 (0%)	Mean		SD 0%		Total	0/450 (	,		an 0%	SD	
#Stomach, Forestomach:													
Squamous Cell Papilloma													
		0/50 (0	%) 0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50 (0	%) 0/50	(0%)	0/49	(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%)	0/50	(0%)
Overall Incidence	Total	0/449 (0%)	Mean	0%	SD 0%		Total	0/450 (	0%)	Mea	an 0%	SD	0%
#Stomach, Glandular:													
Leiomyosarcoma													
		0/50 (0	%) 0/50	(0%)	1/50	(2%)		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%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/449 (0.22%)	Mean C		SD 0.67%		Total	0/450 (	,		an 0%	SD	- / -
#Stomach, Glandular:													
Lipoma													
		0/50 (0	%) 0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50 (0	%) 0/50	(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%)	0/50	(0%)
Overall Incidence	Total	1/449 (0.22%)	, Mean C	22%	SD 0.67%	· · ·	Total	0/450 (	<u>^</u>	Me	an 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	
*Testes: Adenoma								
		36/50 (72%)	40/50 (80%)	38/50 (76%)				
		42/50 (84%)	33/50 (66%)	38/49 (78%)				
		41/50 (82%)	41/50 (82%)	36/50 (72%)				
Overall Incidence	Total	345/449 (76.84%)	Mean 76.84%	SD 5.92%				
'Thymus: Sarcoma								
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/45 (0%)
		0/49 (0%)	0/42 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/46 (0%)
		0/47 (0%)	0/49 (0%)	0/49 (0%)		0/45 (0%)	0/47 (0%)	0/49 (0%)
Overall Incidence	Total	0/430 (0%)	Mean 0%	SD 0%	Total	0/425 (0%)	Mean 0%	SD 0%
Thymus: Thymoma Benign								
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/45 (0%)
		0/49 (0%)	0/42 (0%)	1/47 (2%)		0/47 (0%)	1/50 (2%)	0/46 (0%)
		0/47 (0%)	0/49 (0%)	0/49 (0%)		0/45 (0%)	0/47 (0%)	0/49 (0%)
Overall Incidence	Total	1/430 (0.23%)	Mean 0.24%	SD 0.71%	Total	1/425 (0.24%)	Mean 0.22%	SD 0.67%
<sup>:</sup> Thymus: Thymoma Malignant								
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/45 (0%)
		0/49 (0%)	0/42 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/46 (0%)
		0/47 (0%)	1/49 (2%)	0/49 (0%)		0/45 (0%)	0/47 (0%)	0/49 (0%)
Overall Incidence	Total	1/430 (0.23%)	Mean 0.23%	SD 0.68%	Total	0/425 (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, Maligi	nant, NOS							
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/45 (0%)
		0/49 (0%)	0/42 (0%)	1/47 (2%)		0/47 (0%)	1/50 (2%)	0/46 (0%)
O	Tatal	0/47 (0%)	1/49 (2%)	0/49 (0%)	<b>T</b> . ( . )	0/45 (0%)	0/47 (0%)	0/49 (0%)
Overall Incidence	Total	2/430 (0.47%)	Mean 0.46%	SD 0.92%	Total	1/425 (0.24%)	Mean 0.22%	SD 0.67%
*Thyroid Gland: C-Cell: Adenoma								
		3/50 (6%)	7/50 (14%)	2/50 (4%)		3/50 (6%)	5/50 (10%)	0/50 (0%)
		1/50 (2%)	3/49 (6%)	4/49 (8%)		3/50 (6%)	2/50 (4%)	3/50 (6%)
		3/50 (6%)	7/50 (14%)	1/50 (2%)		8/49 (16%)	3/49 (6%)	2/50 (4%)
Overall Incidence	Total	31/448 (6.92%)	Mean 6.92%	SD 4.49%	Total	29/448 (6.47%)	Mean 6.49%	SD 4.53%
*Thyroid Gland: C-Cell: Carcinoma								
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	3/50 (6%)	1/50 (2%)
		2/50 (4%)	0/49 (0%)	3/49 (6%)		1/50 (2%)	1/50 (2%)	2/50 (4%)
		1/50 (2%)	2/50 (4%)	0/50 (0%)		2/49 (4%)	1/49 (2%)	1/50 (2%)
Overall Incidence	Total	10/448 (2.23%)	Mean 2.24%	SD 2.14%	Total	12/448 (2.68%)	Mean 2.68%	SD 1.74%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		3/50 (6%)	7/50 (14%)	3/50 (6%)		3/50 (6%)	8/50 (16%)	1/50 (2%)
		3/50 (6%)	3/49 (6%)	7/49 (14%)		4/50 (8%)	3/50 (6%)	5/50 (10%)
		4/50 (8%)	9/50 (18%)	1/50 (2%)		9/49 (18%)	4/49 (8%)	3/50 (6%)
Overall Incidence	Total	40/448 (8.93%)	Mean 8.93%	SD 5.23%	Total	40/448 (8.93%)	Mean 8.95%	SD 5.19%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
Thyroid Gland: Follicular Adenoma	Cell:							
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	1/49 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
overall Incidence	Total	2/448 (0.45%)	Mean 0.45%	SD 0.89%	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%
Thyroid Gland: Follicular Carcinoma								
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	2/50 (4%)
Overall Incidence	Total	5/448 (1.12%)	Mean 1.11%	SD 1.45%	Total	2/448 (0.45%)	Mean 0.44%	SD 1.33%
Thyroid Gland: Follicular Carcinoma or Adenoma								
		2/50 (4%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	1/49 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	2/50 (4%)
Overall Incidence	Total	7/448 (1.56%)	Mean 1.56%	SD 1.34%	Total	3/448 (0.67%)	Mean 0.67%	SD 1.41%
≭Tissue NOS: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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

			Male				Female	
Lipoma verall Incidence Tissue NOS: Paraganglioma verall Incidence								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Tissue NOS: Lipoma								
		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.23%	SD 0.68%	Total	0/450 (0%)	Mean 0%	SD 0%
Tissue NOS: Paraganglioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Tissue NOS: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (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

			Male				Female	
#Tissue NOS: Schwannoma Malignant								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Tongue: Liposarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
#Tongue: Squamous Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	2/50 (4%)	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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	2/450 (0.44%)	Mean 0.44%	SD 1.33%

\*: 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	
#Tongue: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/449 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%
#Tooth: Odontogenic Tumor								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
Overall Incidence	Total	0/449 (0%)	Mean 0%	SD 0%	Total	0/450 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	1/447 (0.22%)	Mean 0.22%	SD 0.67%
*Urinary Bladder: Carcinoma or Papilloma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	1/49 (2%)	1/50 (2%)
Overall Incidence	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%	Total	2/447 (0.45%)	Mean 0.45%	SD 0.89%

\*: Denominator is number of animals with tissues examined microscopically

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

			Male				Female	
Urinary Bladder: Leiomyosarcoma								
-		0/50 (0%)	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%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	1/49 (2%)	0/50 (0%)
verall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	2/447 (0.45%)	Mean 0.45%	SD 0.89%
Urinary Bladder: Papilloma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	1/49 (2%)	0/50 (0%)
verall Incidence	Total	1/448 (0.22%)	Mean 0.22%	SD 0.67%	Total	1/447 (0.22%)	Mean 0.23%	SD 0.68%
Jrinary Bladder: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Verall Incidence	Total	0/448 (0%)	Mean 0%	SD 0%	Total	0/447 (0%)	Mean 0%	SD 0%
Uterus: Adenoma								
						0/50 (0%)	0/50 (0%)	1/50 (2%)
						0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR	lence for Selected Control Animal Groups Route: INHALATION				
Length of Study: CHRONIC						
	Male		Female			
#Uterus:						
Carcinoma		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%)		
Overall Incidence	Total	0/450 (0%)	Mean 0%	SD 0%		
#Uterus: Deciduoma Benign						
<b>J</b>		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
o	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/450 (0%)	Mean 0%	SD 0%		
#Uterus: Hemangioma						
·······		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)	0/50 (0%)		
o	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%		
#Uterus: Hemangiosarcoma						
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)		
0	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/450 (0.22%)	Mean 0.22%	SD 0.67%		

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

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR		Page: 189 Report Da	<b>te:</b> 05/24/2022
Length of Study: CHRONIC	Male		Female	
#Uterus:				
Leiomyoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/450 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus: Leiomyosarcoma				
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/50 (2%) 1/450 (0.22%)	0/50 (0%) Mean 0.22%	0/50 (0%) SD 0.67%
#Uterus:				
Polyp Stromal		13/50 (26%) 12/50 (24%) 5/50 (10%)	7/50 (14%) 6/50 (12%)	9/50 (18%) 12/50 (24%)
Overall Incidence	Total	80/450 (17.78%)	10/50 (20%) Mean 17.78%	6/50 (12%) SD 6.04%
#Uterus: Sarcoma Stromal				
		1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/50 (0%) 3/450 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1%

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

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N ength of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Group Route: INHALATION Vehicle: AIR	S	Page: 190 Report Date: 05/24/2022				
	Male		Female				
Uterus:							
Sarcoma Stromal or Polyp Stromal		14/50 (28%)	7/50 (14%)	9/50 (18%)			
		13/50 (26%)	6/50 (12%)	12/50 (24%)			
		5/50 (10%)	11/50 (22%)	6/50 (12%)			
Overall Incidence	Total	83/450 (18.44%)	Mean 18.44%	SD 6.77%			
Uterus:							
Schwannoma Malignant		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%)			
verall Incidence	Total	0/450 (0%)	Mean 0%	SD 0%			
/agina:							
Polyp		2/50 (4%)	0/50 (0%)	0/50 (0%)			
		2/50 (4%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
verall Incidence	Total	2/450 (0.44%)	Mean 0.44%	SD 1.33%			
Vagina:							
Sarcoma		0/50 (0%)	1/50 (2%)	0/50 (0%)			
		1/50 (2%)	0/50 (0%)	0/50 (0%)			
		1/50 (2%)	0/50 (0%)	0/50 (0%)			
verall Incidence	Total	3/450 (0.67%)	Mean 0.67%	SD 1%			

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

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

					Male						F	emale		
#Zymbal's Gland: Adenoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(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%)	0/50	(0%)
Overall Incidence	Total	0/449 (0%	)	Mean		SD 0%		Total	0/450 (	,		n 0%	SD	0%
#Zymbal's Gland: Carcinoma														
		1/50	(2%)	0/50	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	1/50	(2%)
		1/50	(2%)	0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)		2/50	(4%)	1/50	(2%)	0/50	(0%)
Overall Incidence	Total	3/449 (0.679	,	Mean 0		SD 1%		Total	5/450 (1	,		1.11%	SD 1	
≭Zymbal's Gland: Carcinoma or Adenoma														
		1/50	(2%)	0/50	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	1/50	(2%)
		1/50	(2%)	0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)		2/50	(4%)	1/50	(2%)	0/50	(0%)
Overall Incidence	Total	3/449 (0.679	%)	Mean 0	.67%	SD 1%	. /	Total	5/450 (1	· · ·	Mean	1.11%	SD 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			
Battelle Columbus Laboratory	058813803	08/16/99	729	50(3)	22(681)	501.7	Benzophenone	
Battelle Columbus Laboratory	055611103	09/08/97	731	100(3)	60(689)	487.9	trans-Cinnamaldehyde	
Battelle Columbus Laboratory	050517405	08/05/02	729	50(3)	33(703)	510.0	Cresols	
Southern Research Institute	059201205	07/15/98	729	50(3)	35(704)	446.9	2-Methylimidazole	
Southern Research Institute	059201305	01/20/00	730	50(3)	31(702)	448.0	4-Methylimidazole	
					Female			
Battelle Columbus Laboratory	058813803	08/17/99	729	50(5)	32(688)	348.7	Benzophenone	
Battelle Columbus Laboratory	055611103	09/09/97	735	100(5)	70(706)	337.8	trans-Cinnamaldehyde	
Battelle Columbus Laboratory	050517405	N/A	N/A	0(0)	0(0)	N/A	Cresols	
Southern Research Institute	059201205	07/15/98	734	50(5)	40(707)	320.6	2-Methylimidazole	
Southern Research Institute	059201305	01/20/00	735	50(5)	40(702)	311.3	4-Methylimidazole	

#### 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%) 49/50 (98%)	99/100 (99%) 50/50 (100%)	50/50 (100%)		42/50 (84%) 43/50 (86%)	78/100 (78%) 48/50 (96%)	
Overall Incidence	Total	297/300 (99%)	Mean 99%	SD 1%	Total	211/250 (84.4%)	Mean 86%	SD 7.48%
All Organs: Malignant Tumors								
		33/50 (66%) 22/50 (44%)	57/100 (57%) 22/50 (44%)	23/50 (46%)		20/50 (40%) 19/50 (38%)	39/100 (39%) 19/50 (38%)	
Overall Incidence	Total	157/300 (52.33%)	Mean 51.4%	SD 9.79%	Total	97/250 (38.8%)	Mean 38.75%	SD 0.96%
#All Organs: Malignant and Benign Ti		50/50 (100%) 50/50 (100%)	100/100 (100%) 50/50 (100%)	50/50 (100%)		46/50 (92%) 45/50 (90%)	92/100 (92%) 48/50 (96%)	
Overall Incidence	Total	300/300 (100%)	Mean 100%	SD 0%	Total	231/250 (92.4%)	Mean 92.5%	SD 2.52%
≮All Organs: Hemangioma		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/30 (078)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
¥All Organs: Hemangiosarcoma								
		0/50 (0%) 1/50 (2%)	0/100 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	1/50 (2%) 1/300 (0.33%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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 H	lemangioma							
		0/50 (0%) 1/50 (2%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
All Organs: Histiocytic Sarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 2/50 (4%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	2/250 (0.8%)	Mean 1%	SD 2%
#All Organs: Leukemia: Lymphocyti	c, Monocytic, N	Iononuclear, or Undiffere 27/50 (54%)	40/100 (40%)	15/50 (30%)		19/50 (38%)	21/100 (21%)	
Leukemia: Lymphocyti		27/50 (54%) 15/50 (30%)	40/100 (40%) 15/50 (30%)	· · · · ·		6/50 (12%)	9/50 (18%)	05 // ////
Leukemia: Lymphocyti Overall Incidence	<b>c, Monocytic, N</b> Total	27/50 (54%)	40/100 (40%) 15/50 (30%) Mean 36.8%	15/50 (30%) SD 10.55%	Total	6/50 (12%) 55/250 (22%)	( )	SD 11.15%
Leukemia: Lymphocyti Dverall Incidence #All Organs:	Total	27/50 (54%) 15/50 (30%) 112/300 (37.33%) nphocytic, Mixed, NOS, o	40/100 (40%) 15/50 (30%) Mean 36.8% or Undifferentiated Cel	SD 10.55%		6/50 (12%) 55/250 (22%)	9/50 (18%) Mean 22.25%	SD 11.15%
Leukemia: Lymphocyti Dverall Incidence #All Organs:	Total	27/50 (54%) 15/50 (30%) 112/300 (37.33%) nphocytic, Mixed, NOS, o 0/50 (0%)	40/100 (40%) 15/50 (30%) Mean 36.8% Tundifferentiated Cel 0/100 (0%)	SD 10.55%		6/50 (12%) 55/250 (22%) 0/50 (0%)	9/50 (18%) Mean 22.25% 1/100 (1%)	SD 11.15%
Leukemia: Lymphocyti Dverall Incidence #All Organs: Malignant Lymphoma:	Total	27/50 (54%) 15/50 (30%) 112/300 (37.33%) nphocytic, Mixed, NOS, o	40/100 (40%) 15/50 (30%) Mean 36.8% or Undifferentiated Cel 0/100 (0%) 0/50 (0%) Mean 0.4%	SD 10.55% I <b>I Type</b> 1/50 (2%) SD 0.89%	Total	6/50 (12%) 55/250 (22%) 0/50 (0%) 0/50 (0%) 1/250 (0.4%)	9/50 (18%) Mean 22.25%	SD 11.15% SD 0.5%
Leukemia: Lymphocyti Overall Incidence #All Organs:	Total <b>Histiocytic, Lyr</b> Total	27/50 (54%) 15/50 (30%) 112/300 (37.33%) nphocytic, Mixed, NOS, o 0/50 (0%) 0/50 (0%)	40/100 (40%) 15/50 (30%) Mean 36.8% or Undifferentiated Cel 0/100 (0%) 0/50 (0%) Mean 0.4%	SD 10.55% I <b>I Type</b> 1/50 (2%)	Total	6/50 (12%) 55/250 (22%) 0/50 (0%) 0/50 (0%) 1/250 (0.4%)	9/50 (18%) Mean 22.25% 1/100 (1%) 0/50 (0%)	
Leukemia: Lymphocyti Overall Incidence #All Organs: Malignant Lymphoma: Overall Incidence #All Organs:	Total <b>Histiocytic, Lyr</b> Total	27/50 (54%) 15/50 (30%) 112/300 (37.33%) nphocytic, Mixed, NOS, o 0/50 (0%) 0/50 (0%)	40/100 (40%) 15/50 (30%) Mean 36.8% or Undifferentiated Cel 0/100 (0%) 0/50 (0%) Mean 0.4%	SD 10.55% I <b>I Type</b> 1/50 (2%) SD 0.89%	Total	6/50 (12%) 55/250 (22%) 0/50 (0%) 0/50 (0%) 1/250 (0.4%)	9/50 (18%) Mean 22.25% 1/100 (1%) 0/50 (0%)	

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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, N	lalignant, NOS							
	-	2/50 (4%) 2/50 (4%)	5/100 (5%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	9/300 (3%)	Mean 2.6%	SD 2.41%	Total	0/250 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Malignant								
		2/50 (4%) 2/50 (4%)	5/100 (5%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	9/300 (3%)	Mean 2.6%	SD 2.41%	Total	0/250 (0%)	Mean 0%	SD 0%
#All Organs: Osteoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	2/50 (4%) 2/300 (0.67%)	0/50 (0%) Mean 0.8%	SD 1.79%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
		2/300 (0.0770)				( )		
#All Organs: Osteosarcoma								
		1/50 (2%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 1/50 (2%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	2/250 (0.8%)	Mean 0.75%	SD 0.96%
#All Organs: Osteosarcoma or Osteon	na							
		1/50 (2%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	1/100 (1%)	
Overall Incidence	Total	2/50 (4%) 3/300 (1%)	0/50 (0%) Mean 1.2%	SD 1.79%	Total	0/50 (0%) 2/250 (0.8%)	1/50 (2%) Mean 0.75%	SD 0.96%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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 Cortex: Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 5/50 (10%)	1/100 (1%) 1/49 (2%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	7/249 (2.81%)	Mean 3.26%	SD 4.57%
Adrenal Cortex: Carcinoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/249 (0%)	0/49 (0%) Mean 0%	SD 0%
Adrenal Medulla: Ganglioneuroma								
-		0/50 (0%)	1/100 (1%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.2%	SD 0.45%	Total	0/49 (0%) 0/247 (0%)	0/48 (0%) Mean 0%	SD 0%
Adrenal Medulla: Hemangioma								
-		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/247 (0%)	0/48 (0%) Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Benig	n							
		8/50 (16%) 8/50 (16%)	5/100 (5%) 8/50 (16%)	8/50 (16%)		0/50 (0%) 0/49 (0%)	1/100 (1%) 2/48 (4%)	
Overall Incidence	Total	37/300 (12.33%)	Mean 13.8%	SD 4.92%	Total	0/49 (0%) 3/247 (1.21%)	2/48 (4%) Mean 1.29%	SD 1.97%

\*: 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					
*Adrenal Medulla: Pheochromocytoma Complex												
		0/50 (0%) 0/50 (0%)	0/100 (0%) 2/50 (4%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	1/100 (1%) 0/48 (0%)					
Verall Incidence	Total	2/300 (0.67%)	Mean 0.8%	SD 1.79%	Total	1/247 (0.4%)	Mean 0.25%	SD 0.5%				
Adrenal Medulla: Pheochromocytoma Ma												
-	-	0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	2/100 (2%)					
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	SD 0%	Tatal	0/49 (0%)	1/48 (2%)	CD 4 490/				
		0/300 (0%)	Mean 0%	SD 0%	Total	3/247 (1.21%)	Mean 1.02%	SD 1.18%				
Adrenal Medulla: Pheochromocytoma: B	enign, Complex	8/50 (16%)	5/100 (5%) 10/50 (20%)	8/50 (16%)		0/50 (0%) 0/49 (0%)	4/100 (4%) 3/48 (6%)					
Pheochromocytoma: B	B <b>enign, Complex</b> Total		5/100 (5%) 10/50 (20%) Mean 14.6%	8/50 (16%) SD 5.64%	Total	0/50 (0%) 0/49 (0%) 7/247 (2.83%)	4/100 (4%) 3/48 (6%) Mean 2.56%	SD 3.1%				
Pheochromocytoma: B Overall Incidence	•	8/50 (16%) 8/50 (16%)	10/50 (20%)		Total	0/49 (0%)	3/48 (6%)	SD 3.1%				
Pheochromocytoma: B Dverall Incidence #Blood Vessel:	•	8/50 (16%) 8/50 (16%) 39/300 (13%) 0/50 (0%)	10/50 (20%) Mean 14.6% 0/100 (0%)		Total	0/49 (0%) 7/247 (2.83%) 0/50 (0%)	3/48 (6%) Mean 2.56% 0/100 (0%)	SD 3.1%				
Pheochromocytoma: B Dverall Incidence #Blood Vessel: Osteosarcoma	•	8/50 (16%) 8/50 (16%) 39/300 (13%)	10/50 (20%) Mean 14.6%	SD 5.64%	Total Total	0/49 (0%) 7/247 (2.83%)	3/48 (6%) Mean 2.56%	SD 3.1% SD 0%				
Pheochromocytoma: B Dverall Incidence #Blood Vessel: Osteosarcoma Dverall Incidence	Total	8/50 (16%) 8/50 (16%) 39/300 (13%) 0/50 (0%) 0/50 (0%)	10/50 (20%) Mean 14.6% 0/100 (0%) 0/50 (0%)	SD 5.64% 0/50 (0%)		0/49 (0%) 7/247 (2.83%) 0/50 (0%) 0/50 (0%)	3/48 (6%) Mean 2.56% 0/100 (0%) 0/50 (0%)					
Overall Incidence #Blood Vessel: Osteosarcoma Overall Incidence #Bone:	Total	8/50 (16%) 8/50 (16%) 39/300 (13%) 0/50 (0%) 0/50 (0%)	10/50 (20%) Mean 14.6% 0/100 (0%) 0/50 (0%)	SD 5.64% 0/50 (0%)		0/49 (0%) 7/247 (2.83%) 0/50 (0%) 0/50 (0%)	3/48 (6%) Mean 2.56% 0/100 (0%) 0/50 (0%)					

\*: Denominator is number of animals with tissues examined microscopically

Version:	Mar2007
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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: 198 Report Date: 05/24/2022

			Male				Female	
#Bone: Chondrosarcoma or Chondı	roma							
		0/50 (0%) 0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Bone: Chordoma								
		1/50 (2%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	2/300 (0.67%)	Mean 0.8%	SD 1.1%	Total	0/250 (0%)	Mean 0%	SD 0%
#Bone: Osteoma								
		0/50 (0%) 2/50 (4%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	2/300 (0.67%)	Mean 0.8%	SD 1.79%	Total	0/250 (0%)	Mean 0%	SD 0%
≉Bone: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 1/50 (2%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	2/250 (0.8%)	Mean 0.75%	SD 0.96%
#Bone: Osteosarcoma or Osteoma								
		0/50 (0%) 2/50 (4%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 1/50 (2%)	
Overall Incidence	Total	2/300 (0.67%)	Mean 0.8%	SD 1.79%	Total	2/250 (0.8%)	Mean 0.75%	SD 0.96%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.25%	SD 0.5%
Brain: Ependymoma Benign								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Brain: Glioma Malignant								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Brain: Granular Cell Tumor Beniç	gn							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Brain: Medulloblastoma Mal								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 200 Report Date: 05/24/2022

			Male				Female	
Brain: Meningioma Malignant	t							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Brain: Meningioma: Benign, N								
	-	0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma Be								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Brain: Oligodendroglioma Ma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma, Gl								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.25%	SD 0.5%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 201 Report Date: 05/24/2022

			Male				Female	
Brain: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	7/100 (7%) 2/50 (4%)	5/50 (10%)		3/50 (6%) 5/50 (10%)	4/99 (4%) 8/50 (16%)	
Overall Incidence	Total	14/300 (4.67%)	Mean 4.2%	SD 4.38%	Total	20/249 (8.03%)	Mean 9.01%	SD 5.28%
Clitoral/Preputial Gland: Carcinoma								
		1/50 (2%)	4/100 (4%)	0/50 (0%)		1/50 (2%)	9/99 (9%)	
Overall Incidence	Total	0/50 (0%) 5/300 (1.67%)	0/50 (0%) Mean 1.2%	SD 1.79%	Total	3/50 (6%) 15/249 (6.02%)	2/50 (4%) Mean 5.27%	SD 3.02%
Clitoral/Preputial Gland: Carcinoma or Adenoma								
		1/50 (2%) 0/50 (0%)	11/100 (11%) 2/50 (4%)	5/50 (10%)		4/50 (8%) 8/50 (16%)	13/99 (13%) 10/50 (20%)	
Overall Incidence	Total	19/300 (6.33%)	Mean 5.4%	SD 4.88%	Total	35/249 (14.06%)	Mean 14.28%	SD 5.05%
Clitoral/Preputial Gland: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/99 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (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

#### Page: 202 Report Date: 05/24/2022

			Male				Female	
Clitoral/Preputial Gland: Sarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/99 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/249 (0%)	0/50 (0%) Mean 0%	SD 0%
Clitoral/Preputial Gland: Squamous Cell Papillom								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		1/50 (2%)	0/99 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 2/249 (0.8%)	0/50 (0%) Mean 1%	SD 1.15%
	1 Otal	0/300 (0%)				2/249 (0.0%)	IVIEdIT 170	
#Ear: Neural Crest Tumor								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
	1 Otal	0/300 (0%)			1 Otal	0/250 (0%)	IVIEATI 0%	
Æsophagus: Fibrosarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
	10tai	0/300 (078)				0/230 (078)		
<sup>#</sup> Eye: Amelanotic Melanoma, E	Benign							
		0/50 (0%) 0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 203 Report Date: 05/24/2022

			Male				Female	
#Eye: Melanoma Benign		0/50 /00/1	0//00 /00/1	0/50 (00%)			0(400 (00))	
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
≇Eye: Schwannoma Malignant								
Ū		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
#Harderian Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 204 Report Date: 05/24/2022

			Male				Female	
Heart: Schwannoma Benign								
		0/50 (0%) 0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/250 (0.4%)	1/50 (2%) Mean 0.5%	SD 1%
Heart: Schwannoma Malignan								
		1/50 (2%) 0/50 (0%)	2/100 (2%) 0/50 (0%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	3/300 (1%)	Mean 0.8%	SD 1.1%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
#Intestine Large: Colon/R Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/R Carcinoma	ectum:							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/R Carcinoma or Adenoma	ectum:							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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

#### Page: 205 Report Date: 05/24/2022

			Male				Female	
Intestine Large: Colon/Rect Leiomyosarcoma	um:							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Large: Colon/Rect Polyp Adenomatous								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
fIntestine Small: Jejunum: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Leiomyoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
fIntestine Small: Jejunum: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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

#### Page: 206 Report Date: 05/24/2022

			Male				Female	
#Intestine Small: Site Uns Carcinoma	specified:							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Carcinoma or Adenoma	specified:							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Leiomyoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Leiomyosarcoma	specified:							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Islets, Pancreatic: Adenoma								
		1/50 (2%) 0/50 (0%)	2/100 (2%) 3/50 (6%)	1/49 (2%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	
Overall Incidence	Total	7/299 (2.34%)	Mean 2.41%	SD 2.19%	Total	0/249 (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

#### Page: 207 Report Date: 05/24/2022

			Male				Female	
Islets, Pancreatic: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	1/49 (2%)		0/50 (0%) 2/50 (4%)	2/100 (2%) 0/49 (0%)	
Overall Incidence	Total	1/299 (0.33%)	Mean 0.41%	SD 0.91%	Total	4/249 (1.61%)	Mean 1.5%	SD 1.91%
Islets, Pancreatic: Carcinoma or Adenoma								
		1/50 (2%)	2/100 (2%)	2/49 (4%)		0/50 (0%)	2/100 (2%)	
Overall Incidence	Total	0/50 (0%) 8/299 (2.68%)	3/50 (6%) Mean 2.82%	SD 2.29%	Total	2/50 (4%) 4/249 (1.61%)	0/49 (0%) Mean 1.5%	SD 1.91%
		· · ·				( )		
*Kidney: Pelvis and Transi Carcinoma	tional Epitheli	um:						
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
	<b>-</b>	0/49 (0%)	0/48 (0%)	<b>OD</b> 00/	<b>-</b>	0/50 (0%)	0/48 (0%)	<b>OD</b> 00/
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transi Carcinoma or Adenoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/49 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/248 (0%)	0/48 (0%) Mean 0%	SD 0%
		0/297 (0%)				( )	wean 0%	5D 0%
Kidney: Pelvis and Transi Papilloma	tional Epitheli	um:						
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Tatal	0/49 (0%)	0/48 (0%)	SD 0%	Total	0/50 (0%)	1/48 (2%) Mean 0.52%	SD 1 049/
Jveran incluence	Total	0/297 (0%)	Mean 0%	30 0%	Total	1/248 (0.4%)		SD 1.04%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 208 Report Date: 05/24/2022

			Male				Female	
Kidney: Renal Tubule: Adenoma								
		1/50 (2%) 0/49 (0%)	0/100 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/48 (0%)	
Overall Incidence	Total	1/297 (0.34%)	Mean 0.4%	SD 0.89%	Total	0/248 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma								
		0/50 (0%) 0/49 (0%)	0/100 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/48 (0%)	
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma or Adenoma								
		1/50 (2%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/49 (0%) 1/297 (0.34%)	0/48 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/248 (0%)	0/48 (0%) Mean 0%	SD 0%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%) 0/49 (0%)	0/100 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/48 (0%)	
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Lipoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/49 (0%) 0/297 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/248 (0%)	0/48 (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

#### Page: 209 Report Date: 05/24/2022

			Male				Female	
Kidney: Renal Tubule: Liposarcoma								
		0/50 (0%) 0/49 (0%)	0/100 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/48 (0%)	
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Nephroblastoma								
		0/50 (0%) 0/49 (0%)	0/100 (0%) 0/48 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/48 (0%)	
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Sarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/49 (0%) 1/297 (0.34%)	1/48 (2%) Mean 0.42%	SD 0.93%	Total	0/50 (0%) 0/248 (0%)	0/48 (0%) Mean 0%	SD 0%
		, <i>,</i>						
Kidney: Renal Tubule: Stromal Nephroma								
·		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/49 (0%) 0/297 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/248 (0%)	0/48 (0%) Mean 0%	SD 0%
Liver: Cholangiocarcinoma								
-		0/50 (0%)	1/100 (1%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	1/50 (2%) 2/300 (0.67%)	0/50 (0%) Mean 0.6%	SD 0.89%	Total	1/50 (2%) 1/250 (0.4%)	0/50 (0%) Mean 0.5%	SD 1%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 210 Report Date: 05/24/2022

			Male				Female	
Liver: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Adenoma								
-		2/50 (4%)	2/100 (2%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 4/300 (1.33%)	0/50 (0%) Mean 1.2%	SD 1.79%	Total	1/50 (2%) 1/250 (0.4%)	0/50 (0%) Mean 0.5%	SD 1%
Liver: Hepatocellular Carcinom								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Liver:								
Hepatocellular Carcinom	na or Hepatobla	astoma						
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinom	na or Hepatoce	llular Adenoma						
-	-	2/50 (4%) 0/50 (0%)	2/100 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	4/300 (1.33%)	Mean 1.2%	SD 1.79%	Total	1/250 (0.4%)	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: ORAL Vehicle: FEED

#### Page: 211 Report Date: 05/24/2022

			Male				Female	
Liver:								
Hepatocellular Carcino	ma, Hepatocellu	ular Adenoma, or Hepatol	olastoma					
		2/50 (4%)	2/100 (2%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
verall Incidence	Total	4/300 (1.33%)	Mean 1.2%	SD 1.79%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
₋ung: Alveolar/Bronchiolar A	denoma							
		4/50 (8%)	4/100 (4%)	1/50 (2%)		4/50 (8%)	6/100 (6%)	
		2/50 (4%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	11/300 (3.67%)	Mean 3.6%	SD 2.97%	Total	10/250 (4%)	Mean 3.5%	SD 4.12%
Lung: Alveolar/Bronchiolar C								
		0/50 (0%)	1/100 (1%)	0/50 (0%)		0/50 (0%)	1/100 (1%)	
		2/50 (4%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.73%	Total	1/250 (0.4%)	Mean 0.25%	SD 0.5%
Lung: Alveolar/Bronchiolar C	arcinoma or Alv	/eolar/Bronchiolar Adeno						
		4/50 (8%)	5/100 (5%)	1/50 (2%)		4/50 (8%)	7/100 (7%)	
		4/50 (8%)	0/50 (0%)	00 0 000		0/50 (0%)	0/50 (0%)	00 / 000/
verall Incidence	Total	14/300 (4.67%)	Mean 4.6%	SD 3.58%	Total	11/250 (4.4%)	Mean 3.75%	SD 4.35%
Lung: Hemangiosarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 212 Report Date: 05/24/2022

			Male				Female	
′Lung: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Lung: Squamous Cell Carcinom								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.25%	SD 0.5%
Lymph Node, Mesenteric: Sarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Mammary Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%)	1/50 (2%)		2/50 (4%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	
overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	3/250 (1.2%)	0/50 (0%) Mean 1.25%	SD 1.89%
Mammary Gland: Carcinoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	1/100 (1%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	4/50 (8%) 7/250 (2.8%)	2/50 (4%) Mean 3.25%	SD 3.59%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 213 Report Date: 05/24/2022

			Male				Female	
#Mammary Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	1/50 (2%)		2/50 (4%) 4/50 (8%)	2/100 (2%) 2/50 (4%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	10/250 (4%)	Mean 4.5%	SD 2.52%
Mammary Gland: Fibroadenoma								
		2/50 (4%)	3/100 (3%)	0/50 (0%)		27/50 (54%)	55/100 (55%)	
Overall Incidence	Total	0/50 (0%) 8/300 (2.67%)	3/50 (6%) Mean 2.6%	SD 2.61%	Total	26/50 (52%) 132/250 (52.8%)	24/50 (48%) Mean 52.25%	SD 3.1%
						( )		
#Mammary Gland: Fibroma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma								
		2/50 (4%) 0/50 (0%)	3/100 (3%) 3/50 (6%)	1/50 (2%)		28/50 (56%) 26/50 (52%)	55/100 (55%) 24/50 (48%)	
Overall Incidence	Total	9/300 (3%)	Mean 3%	SD 2.24%	Total	133/250 (53.2%)	Mean 52.75%	SD 3.59%
#Mammary Gland: Fibroma, Fibroadenoma	, Carcinoma, or	Adenoma						
		2/50 (4%) 0/50 (0%)	3/100 (3%) 3/50 (6%)	1/50 (2%)		28/50 (56%) 28/50 (56%)	56/100 (56%) 25/50 (50%)	
Overall Incidence	Total	9/300 (3%)	Mean 3%	SD 2.24%	Total	137/250 (54.8%)	Mean 54.5%	SD 3%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 214 Report Date: 05/24/2022

			Male				Female	
#Mesentery: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 1/50 (2%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
#Mesentery: Hemangiosarcoma								
		0/50 (0%) 1/50 (2%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
#Mesentery: Lipoma								
		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.2%	SD 0.45%	Total	0/250 (0%)	Mean 0%	SD 0%
#Mesentery: Liposarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
#Mesentery: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/250 (0%)	0/50 (0%) Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 215 Report Date: 05/24/2022

			Male				Female	
#Mesentery: Rhabdomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Nose: Adenoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	1/50 (2%) 1/299 (0.33%)	0/49 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/249 (0%)	0/49 (0%) Mean 0%	SD 0%
		· · · ·						
Nose: Chondroma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/249 (0%)	0/49 (0%) Mean 0%	SD 0%
Nose: Sarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/299 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/249 (0%)	0/49 (0%) Mean 0%	SD 0%
		0/299 (078)				0/243 (078)		
Nose: Squamous Cell Carcinor	na							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	
Overall Incidence	Total	0/299 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/249 (0%)	0/49 (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

#### Page: 216 Report Date: 05/24/2022

			Male				Female	
#Oral Cavity (Oral Mucos Papilloma Squamous		rynx, Tooth, Gingiva):						
		1/50 (2%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	2/300 (0.67%)	Mean 0.6%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Phar							
-		0/50 (0%)	1/100 (1%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.2%	SD 0.45%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
#Oral Cavity (Oral Mucos Squamous Cell Carcin Overall Incidence		Squamous, or Papilloma 1/50 (2%) 0/50 (0%) 3/300 (1%)	2/100 (2%) 0/50 (0%) Mean 0.8%	0/50 (0%) SD 1.1%	Total	0/50 (0%) 0/50 (0%) 0/250 (0%)	0/100 (0%) 0/50 (0%) Mean 0%	SD 0%
<sup>#</sup> Oral Mucosa: Squamous Cell Carcin	oma	0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
		0/00 (0/0)	0/00 (0/0)			( )	( )	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.2%	SD 0.45%	Total	0/250 (0%)	Mean 0%	SD 0%
		······			Total	·····		SD 0%
Overall Incidence #Oral Mucosa: Squamous Cell Papillo		1/300 (0.33%) 0/50 (0%) 0/50 (0%)	Mean 0.2% 0/100 (0%) 0/50 (0%)	SD 0.45% 0/50 (0%)	Total	0/250 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% 	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

/ersion: Mar2007 Contract/Lab: All Laboratories	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups		Page: 217 Report Date: 05/24/2022				
Species: RATS	Route: ORAL						
Strain: F 344/N	Vehicle: FEED						
ength of Study: CHRONIC							
	Male	Female					
Ovary: Cystadenoma							
-,		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)				
Overall Incidence	Total	1/250 (0.4%)	Mean 0.25%	SD 0.5%			
Dvary:							
Granulosa Cell Tumor Benign			0/400 (00/)				
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)				
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%			
Ovary: Granulosa Cell Tumor Malignant							
-		0/50 (0%)	0/100 (0%)				
		0/50 (0%)	0/50 (0%)	<b>25</b> <i>au</i> /			
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%			
Ovary:							
Granulosa Cell Tumor: Benign, Malignant, NOS		0/50 (0%)	0/100 (0%)				
		0/50 (0%)	0/50 (0%)				
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%			
)vary:							
Granulosa-Theca Tumor Benign		0/50 (00/)	0/100 (00/)				
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)				
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%			

Version: Mar2007 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: 218 Report Date: 05/24/2022			
					Male				Female				
*Ovary: Granulosa-Theca Tumor Malig	nant												
-									0/50 0/50	(0%) (0%)	0/100 0/50	(0%) (0%)	
Overall Incidence								Total	0/250	. ,		ean 0%	SD 0%
Ovary:													
Sarcoma									0/50	(0%)	0/100	(0%)	
									0/50	(0%)	0/50	(0%)	
Verall Incidence								Total	0/250	(0%)	Me	ean 0%	SD 0%
Ovary:													
Thecoma Malignant									0/50	(0%)	0/100	(0%)	
									0/50	(0%)	0/50	(0%)	
overall Incidence								Total	0/250	(0%)		ean 0%	SD 0%
Pancreas:													
Adenoma		0/50 (04	0() 1/	/100	(1%)	0/49	(0%)		0/50	(0%)	0/100	(0%)	
		1/49 (29		1/50	(1%)	0/43	(070)		0/50	(0%)	0/100	(0%)	
verall Incidence	Total	3/298 (1.01%)		ean 1.	. ,	SD 1.01%	6	Total	0/249	. ,		ean 0%	SD 0%
Pancreas: Carcinoma													
		0/50 (04		/100	(0%)	0/49	(0%)		0/50	(0%)	0/100	(0%)	
		0/49 (09		0/50	(0%)				0/50	(0%)	0/49	(0%)	<b>25</b>
overall Incidence	Total	0/298 (0%)		Mean		SD 0%		Total	0/249	· /		ean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 219 Report Date: 05/24/2022

			Male				Female	
*Pancreas: Carcinoma or Adenoma								
		0/50 (0%) 1/49 (2%)	1/100 (1%) 1/50 (2%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	
Overall Incidence	Total	3/298 (1.01%)	Mean 1.01%	SD 1.01%	Total	0/249 (0%)	Mean 0%	SD 0%
Pancreas: Mixed Tumor Benign								
		1/50 (2%) 0/49 (0%)	1/100 (1%) 0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	
Overall Incidence	Total	2/298 (0.67%)	Mean 0.6%	SD 0.89%	Total	0/249 (0%)	Mean 0%	SD 0%
Parathyroid Gland: Adenoma								
		0/49 (0%) 0/47 (0%)	0/92 (0%) 1/48 (2%)	1/46 (2%)		0/47 (0%) 0/49 (0%)	0/90 (0%) 0/50 (0%)	
Overall Incidence	Total	2/282 (0.71%)	Mean 0.85%	SD 1.17%	Total	0/236 (0%)	Mean 0%	SD 0%
Peripheral Nerve: Sarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
<pre>#Peripheral Nerve:     Schwannoma Malignant</pre>								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 220 Report Date: 05/24/2022

			Male				Female	
#Peripheral Nerve: Schwannoma: Benign,	Malignant, NOS	6						
	-	0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Di Adenoma								
		10/50 (20%) 9/50 (18%)	21/100 (21%) 16/49 (33%)	20/50 (40%)		17/50 (34%) 23/50 (46%)	35/100 (35%) 29/48 (60%)	
Overall Incidence	Total	76/299 (25.42%)	Mean 26.33%	SD 9.55%	Total	104/248 (41.94%)	Mean 43.85%	SD 12.31%
*Pituitary Gland: Pars Di Carcinoma		ified Site:						
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	0/100 (0%) 0/48 (0%)	
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	2/248 (0.81%)	Mean 1%	SD 2%
*Pituitary Gland: Pars Dis Carcinoma or Adenom	•	ified Site:						
		10/50 (20%) 9/50 (18%)	21/100 (21%) 16/49 (33%)	20/50 (40%)		17/50 (34%) 25/50 (50%)	35/100 (35%) 29/48 (60%)	
Overall Incidence	Total	76/299 (25.42%)	Mean 26.33%	SD 9.55%	Total	106/248 (42.74%)	Mean 44.85%	SD 12.7%
*Pituitary Gland: Pars Int Adenoma	ermedia:							
, aono ina		0/50 (0%)	0/100 (0%)	1/50 (2%)		0/50 (0%)	0/100 (0%)	
		1/50 (2%)	0/49 (0%)			0/50 (0%)	0/48 (0%)	

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 221 Report Date: 05/24/2022

			Male				Female	
Pituitary Gland: Pars Interm Carcinoma	edia:							
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/48 (0%)	
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Interm Carcinoma or Adenoma								
		0/50 (0%) 1/50 (2%)	0/100 (0%) 0/49 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/48 (0%)	
Overall Incidence	Total	2/299 (0.67%)	Mean 0.8%	SD 1.1%	Total	0/248 (0%)	Mean 0%	SD 0%
*Prostate: Adenoma								
		0/49 (0%) 0/50 (0%)	4/100 (4%) 0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	4/299 (1.34%)	Mean 0.8%	SD 1.79%				
Prostate: Carcinoma or Adenoma								
		0/49 (0%) 0/50 (0%)	4/100 (4%) 0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	4/299 (1.34%)	Mean 0.8%	SD 1.79%				
<sup>r</sup> Salivary Glands: Sarcoma								
		0/49 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/250 (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

#### Page: 222 Report Date: 05/24/2022

			Male				Female	
Salivary Glands: Schwannoma Malignant								
		1/49 (2%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/298 (0.34%)	Mean 0.41%	SD 0.91%	Total	0/250 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Fibrosarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
		( <i>'</i>				. ,		
<pre> #Skeletal Muscle:    Hemangioma </pre>								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
		( <i>'</i>				( )		
Skeletal Muscle: Hemangiosarcoma								
		0/50 (0%) 1/50 (2%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Lipoma								
•		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.25%	SD 0.5%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 223 Report Date: 05/24/2022

			Male					Fen	nale	
Skeletal Muscle: Rhabdomyosarcoma										
		0/50 (0%)	0/100 (0%)	0/50	(0%)		0/50 (0%)		(0%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%)			Total	0/50 (0%)		(0%) 0% SD 0	07
	Total	0/300 (0%)	Mean 0%	SD 0%		Total	0/250 (0%)	Mean	0% SD 0	% 
Skeletal Muscle: Rhabdomyosarcoma or I	Rhabdomyoma	1								
		0/50 (0%)	0/100 (0%)	0/50	(0%)		0/50 (0%)		(0%)	
		0/50 (0%)	0/50 (0%)	<b>22 3 3 3</b>			0/50 (0%)		(0%)	~ /
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%		Total	0/250 (0%)	Mean	0% SD 0	%
Skeletal Muscle: Sarcoma										
		0/50 (0%)	0/100 (0%)	0/50 (	(0%)		0/50 (0%)		(0%)	
		0/50 (0%)	0/50 (0%)				0/50 (0%)		(0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%		Total	0/250 (0%)	Mean	0% SD 0	%
Skin: Basal Cell Adenoma										
		0/50 (0%)	1/100 (1%)	0/50 (	(0%)		0/50 (0%)		(0%)	
		0/50 (0%)	1/50 (2%)	00 0 000			1/50 (2%)		(0%)	~ /
Overall Incidence	Total	2/300 (0.67%)	Mean 0.6%	SD 0.89%		Total	1/250 (0.4%)	Mean C	).5% SD 1	%
Skin: Basal Cell Adenoma or B	Basosquamous	s Tumor Benign								
		0/50 (0%) 0/50 (0%)	1/100 (1%) 1/50 (2%)	0/50	(0%)		0/50 (0%) 1/50 (2%)		(0%)	
Overall Incidence	Total	2/300 (0.67%)	Mean 0.6%	SD 0.89%		Total	1/250 (0.4%)	Mean C	(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: ORAL Vehicle: FEED

#### Page: 224 Report Date: 05/24/2022

			Male				Female	
tSkin:								
Basal Cell Adenoma, B	Basosquamous 1	Tumor Benign, or Trichoe						
		0/50 (0%)	2/100 (2%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
	<b>T</b> ( )	1/50 (2%)	1/50 (2%)	00 4 404	<b>T</b> ( )	1/50 (2%)	1/50 (2%)	
Verall Incidence	Total	4/300 (1.33%)	Mean 1.2%	SD 1.1%	Total	2/250 (0.8%)	Mean 1%	SD 1.15%
Skin: Basal Cell Carcinoma								
		0/50 (0%)	1/100 (1%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.2%	SD 0.45%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
⊀Skin: Basal Cell Carcinoma α Dverall Incidence	or Basosquamo	us Tumor (malignant or N 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	<b>OS)</b> 1/100 (1%) 0/50 (0%) Mean 0.2%	0/50 (0%) SD 0.45%	Total	0/50 (0%) 1/50 (2%) 1/250 (0.4%)	0/100 (0%) 0/50 (0%) Mean 0.5%	SD 1%
Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli		oma, Basosquamous Tur	nor (benign, malignar	nt or				
		0/50 (0%)	3/100 (3%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
		1/50 (2%)	1/50 (2%)			2/50 (4%)	1/50 (2%)	
verall Incidence	Total	5/300 (1.67%)	Mean 1.4%	SD 1.34%	Total	3/250 (1.2%)	Mean 1.5%	SD 1.91%
#Skin: Basal or Sα. Cell Carci	noma. Carcinom	na, Basosq. Tumor (M or E eratoacanthoma, Trichoeg 11/50 (22%)	8), Basal Cell Adenon ithelioma 8/100 (8%)			3/50 (6%)	0/100 (0%)	
<b>0</b>	<b>T</b> . ( . )	2/50 (4%)	3/50 (6%)	00 7 000/	<b>T</b> = ( = 1	2/50 (4%)	2/50 (4%)	
Overall Incidence	Total	25/300 (8.33%)	Mean 8.4%	SD 7.92%	Total	7/250 (2.8%)	Mean 3.5%	SD 2.52%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 225 Report Date: 05/24/2022

			Male				Female	
≭Skin: Fibroma								
		5/50 (10%) 2/50 (4%)	7/100 (7%) 8/50 (16%)	1/50 (2%)		3/50 (6%) 1/50 (2%)	1/100 (1%) 1/50 (2%)	
Overall Incidence	Total	23/300 (7.67%)	Mean 7.8%	SD 5.5%	Total	6/250 (2.4%)	Mean 2.75%	SD 2.22%
Skin:		xoma, Myxosarcoma, or F						
		6/50 (12%) 2/50 (4%)	12/100 (12%) 8/50 (16%)	4/50 (8%)		4/50 (8%) 1/50 (2%)	1/100 (1%) 1/50 (2%)	
Overall Incidence	Total	32/300 (10.67%)	Mean 10.4%	SD 4.56%	Total	7/250 (2.8%)	Mean 3.25%	SD 3.2%
≇Skin: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	6/100 (6%) 0/50 (0%)	2/50 (4%)		1/50 (2%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	8/300 (2.67%)	Mean 2%	SD 2.83%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
#Skin:		a, or Fibrous Histiocytom	a					
		1/50 (2%) 0/50 (0%)	6/100 (6%) 0/50 (0%)	3/50 (6%)		1/50 (2%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	10/300 (3.33%)	Mean 2.8%	SD 3.03%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
#Skin: Fibrous Histiocytoma								
		1/50 (2%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 226 Report Date: 05/24/2022

			Male				Female	
≭Skin: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
≮Skin: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
≭Skin: Keratoacanthoma								
		10/50 (20%)	5/100 (5%)	1/50 (2%)		3/50 (6%)	0/100 (0%)	
Overall Incidence	Total	1/50 (2%) 18/300 (6%)	1/50 (2%) Mean 6.2%	SD 7.82%	Total	0/50 (0%) 3/250 (1.2%)	0/50 (0%) Mean 1.5%	SD 3%
¢Skin: Lipoma								
		0/50 (0%)	0/100 (0%)	1/50 (2%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
∜Skin: Liposarcoma								
•		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 227 Report Date: 05/24/2022

					Male						F	emale	
≭Skin: Neural Crest Tumor													
		0/50 0/50	(0%) (0%)	0/100 0/50	(0%) (0%)	0/50	(0%)		0/50 0/50	(0%) (0%)	1/100 0/50	(1%) (0%)	
Overall Incidence	Total	0/300 (0%	b)	Mean	<b>)%</b>	SD 0%		Total	1/250 (	( )		0.25%	SD 0.5%
Skin: Neurofibroma or Schw													
		0/50	(0%)	0/100	(0%)	0/50	(0%)		0/50	(0%)	0/100	(0%)	
Overall Incidence	Total	0/50 0/300 (0%	(0%)	0/50 Mean	(0%) 0%	SD 0%		Total	0/50 0/250	(0%) (0%)	0/50 Mea	(0%) an 0%	SD 0%
#Skin: Neurofibrosarcoma or	Schwannoma (n	•			(22())	o ( <b>a</b> o	(00/)		o ( <b>7</b> o	(22())		(00/)	
Neurofibrosarcoma or Overall Incidence	Total	0/50 1/50 1/300 (0.33	(0%) (2%) %)	0/100 0/50 Mean 0		0/50 SD 0.89%	•	Total	0/50 0/50 0/250	(0%) (0%) (0%)	0/100 0/50 Mea	(0%) (0%) an 0%	SD 0%
Neurofibrosarcoma or Overall Incidence #Skin:	Total	0/50 1/50 1/300 (0.33	(0%) (2%) %)	0/50 Mean 0	(0%) .4%	SD 0.89%	, , ,		0/50 0/250	(0%)	0/50	(0%)	SD 0%
Neurofibrosarcoma or Overall Incidence	Total	0/50 1/50 1/300 (0.33	(0%) (2%) %)	0/50 Mean 0	(0%) .4%	SD 0.89%	, , ,		0/50 0/250	(0%)	0/50	(0%)	SD 0%
Neurofibrosarcoma or Overall Incidence #Skin: Neurofibrosarcoma, N	Total	0/50 1/50 1/300 (0.33 Schwannoma (b 0/50	(0%) (2%) %) 	0/50 Mean 0 alignant or N 0/100 0/50 Mean 0	(0%) .4% 	SD 0.89% 0/50 SD 0.89%	(0%)	Total	0/50 0/250 0/50 0/50 0/250	(0%) (0%) (0%) (0%)	0/50 Mea 0/100 0/50	(0%) an 0% (0%)	SD 0% SD 0%
Neurofibrosarcoma or Overall Incidence #Skin: Neurofibrosarcoma, N Overall Incidence	Total eurofibroma, or \$	0/50 1/50 1/300 (0.33 Schwannoma (b 0/50 1/50	(0%) (2%) %) 	0/50 Mean 0 alignant or N 0/100 0/50 Mean 0	(0%) .4% 	SD 0.89% 0/50 SD 0.89%	(0%)		0/50 0/250 0/50 0/50 0/250	(0%) (0%) (0%) (0%)	0/50 Mea 0/100 0/50	(0%) an 0% (0%) (0%)	
Neurofibrosarcoma or Overall Incidence #Skin: Neurofibrosarcoma, N Overall Incidence #Skin:	Total eurofibroma, or \$	0/50 1/50 1/300 (0.33 Schwannoma (b 0/50 1/50	(0%) (2%) %) 	0/50 Mean 0 alignant or N 0/100 0/50 Mean 0	(0%) .4% 	SD 0.89% 0/50 SD 0.89%	(0%)	Total	0/50 0/250 0/50 0/50 0/250	(0%) (0%) (0%) (0%)	0/50 Mea 0/100 0/50	(0%) an 0% (0%) (0%)	

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 228 Report Date: 05/24/2022

					Male						F	emale	
<b>≄Skin:</b> Sarcoma													
		0/50 0/50	(0%) (0%)	0/100 0/50	(0%) (0%)	1/50	(2%)		0/50 0/50	(0%) (0%)	0/100 0/50	(0%) (0%)	
Overall Incidence	Total	1/300 (0.33	3%)	Mean (	).4%	SD 0.89%		Total	0/250	( )		n 0%	SD 0%
≭Skin: Schwannoma Benign													
		0/50	(0%)	0/100	(0%)	0/50	(0%)		0/50	(0%)	0/100	(0%)	
Overall Incidence	Total	0/50 0/300 (0%	(0%) %)	0/50 Mean	(0%) 0%	SD 0%		Total	0/50 0/250	(0%) (0%)	0/50 Mea	(0%) n 0%	SD 0%
#Skin: Schwannoma Malignant													
Ū		0/50	(0%)	0/100	(0%)	0/50	(0%)		0/50	(0%)	0/100	(0%)	
Overall Incidence	Total	1/50 1/300 (0.33	(2%) 3%)	0/50 Mean (	(0%) ).4%	SD 0.89%		Total	0/50 0/250	(0%) (0%)	0/50 Mea	(0%) n 0%	SD 0%
			,							, ,			
Skin: Squamous Cell Carcinoma													
- 1		0/50	(0%)	0/100	(0%)	0/50	(0%)		0/50	(0%)	0/100	(0%)	
Overall Incidence	Tatal	0/50	(0%)	1/50	(2%)			Tatal	0/50	(0%)	0/50	(0%)	
	Total	1/300 (0.33	,	Mean (		SD 0.89%		Total	0/250	· · /		n 0%	SD 0%
#Skin: Squamous Cell Carcinoma,   or Carcinoma	Basal Cell	Carcinoma, Bas	sosquamo	us Tumor (I	malignant	or NOS),							
		0/50 0/50	(0%) (0%)	1/100 1/50	(1%) (2%)	0/50	(0%)		0/50 1/50	(0%) (2%)	0/100 0/50	(0%) (0%)	
Overall Incidence	Total	2/300 (0.67	7%)	Mean (	).6%	SD 0.89%	, D	Total	1/250 (	0.4%)	Mean	0.5%	SD 1%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 229 Report Date: 05/24/2022

					Male						F	emale	
#Skin: Squamous Cell Papillo	oma												
		1/50 0/50	(2%) (0%)	0/100 0/50	(0%) (0%)	0/50	(0%)		0/50 0/50	(0%) (0%)	0/100 1/50	(0%) (2%)	
Overall Incidence	Total	1/300 (0.33	( )	Mean C	( )	SD 0.89%	5	Total	1/250 (0	( )		0.5%	SD 1%
Skin: Squamous Cell Papillo	oma or Papilloma	1											
		1/50 0/50	(2%) (0%)	0/100 0/50	(0%) (0%)	0/50	(0%)		0/50 0/50	(0%) (0%)	0/100 1/50	(0%) (2%)	
Overall Incidence	Total	1/300 (0.33	( )	Mean C	( )	SD 0.89%	D	Total	1/250 (0	( )		0.5%	SD 1%
¥Skin: Squamous Cell Papillo		Squamous Cell 11/50	Carcinoma (22%)	a or Keratoa 5/100	acanthom (5%)	<b>a</b> 1/50	(2%)		3/50	(6%)	0/100	(0%)	
#Skin: Squamous Cell Papillo	oma, Papilloma, S	Squamous Cell 11/50 1/50	Carcinoma (22%) (2%)	<b>a or Keratoa</b> 5/100 2/50	(5%) (4%)	1/50	( )	Total	0/50	(0%)	1/50	(2%)	SD 2.83%
fSkin: Squamous Cell Papillo Dverall Incidence		Squamous Cell 11/50	Carcinoma (22%) (2%)	a or Keratoa 5/100	(5%) (4%)		( )	Total		(0%)	1/50	· · ·	SD 2.83%
#Skin: Squamous Cell Papillo Dverall Incidence	oma, Papilloma, S Total	Squamous Cell 11/50 1/50 20/300 (6.67	Carcinoma (22%) (2%) 7%) oma	a or Keratoa 5/100 2/50 Mean	(5%) (4%)	1/50 SD 8.49%		Total	0/50 4/250 (1	(0%)	1/50 Mea	(2%)	SD 2.83%
#Skin: Squamous Cell Papillo Dverall Incidence #Skin:	oma, Papilloma, S Total	Squamous Cell 11/50 1/50 20/300 (6.67	Carcinom: (22%) (2%) 7%)	<b>a or Keratoa</b> 5/100 2/50	(5%) (4%)	1/50	( )	Total	0/50	(0%)	1/50	(2%)	SD 2.83%
fSkin: Squamous Cell Papillo Overall Incidence fSkin: Squamous Cell Papillo	oma, Papilloma, S Total	Squamous Cell 11/50 1/50 20/300 (6.67 or Keratoacanth 11/50	Carcinoma (22%) (2%) 7%) oma (22%) (2%)	<b>a or Keratoa</b> 5/100 2/50 Mean 5/100	(5%) (4%) 7% (5%) (2%)	1/50 SD 8.49%	(2%)	Total Total	0/50 4/250 (1 3/50	(0%) .6%) (6%) (0%)	1/50 Mea 0/100 1/50	(2%) n 2% 	SD 2.83% SD 2.83%
#Skin: Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence	oma, Papilloma, S Total oma, Papilloma, o	Squamous Cell ( 11/50 20/300 (6.67 or Keratoacanth 11/50 1/50	Carcinoma (22%) (2%) 7%) oma (22%) (2%)	a or Keratoa 5/100 2/50 Mean 5/100 1/50	(5%) (4%) 7% (5%) (2%)	1/50 SD 8.49% 1/50	(2%)		0/50 4/250 (1 3/50 0/50	(0%) .6%) (6%) (0%)	1/50 Mea 0/100 1/50	(2%) n 2% 	
#Skin: Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence #Skin:	oma, Papilloma, S Total oma, Papilloma, o	Squamous Cell ( 11/50 20/300 (6.67 or Keratoacanth 11/50 1/50	Carcinoma (22%) (2%) 7%) oma (22%) (2%)	a or Keratoa 5/100 2/50 Mean 5/100 1/50	(5%) (4%) 7% (5%) (2%)	1/50 SD 8.49% 1/50	(2%)		0/50 4/250 (1 3/50 0/50	(0%) .6%) (6%) (0%)	1/50 Mea 0/100 1/50	(2%) n 2% 	

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 230 Report Date: 05/24/2022

			Male				Female	
#Skin: Sebaceous Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
≭Spinal Cord: Astrocytoma Benign								
		0/50 (0%) 0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Spleen: Hemangioma								
		0/50 (0%)	0/100 (0%)	0/49 (0%)		0/49 (0%)	0/100 (0%)	
Overall Incidence	Total	0/49 (0%) 0/298 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/249 (0%)	0/50 (0%) Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 231 Report Date: 05/24/2022

			Male				Female	
Spleen: Hemangiosarcoma								
		0/50 (0%) 0/49 (0%)	0/100 (0%) 0/50 (0%)	0/49 (0%)		0/49 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Spleen: Leiomyosarcoma								
		0/50 (0%) 0/49 (0%)	0/100 (0%) 0/50 (0%)	0/49 (0%)		0/49 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
<pre> #Stomach, Forestomach:    Leiomyosarcoma </pre>								
		0/50 (0%)	0/100 (0%)	1/50 (2%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.4%	SD 0.89%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Stomach, Forestomach: Lipoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Schwannoma Malignant								
-		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (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

#### Page: 232 Report Date: 05/24/2022

			Male				Female	
#Stomach, Forestomach: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma	or Papillon	na Squamous						
-	-	0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.2%	SD 0.45%	Total	0/250 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.2%	SD 0.45%	Total	0/250 (0%)	Mean 0%	SD 0%
≭Stomach, Glandular: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
/Stomach, Glandular: Lipoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 233 Report Date: 05/24/2022

			Male				Female	
Testes: Adenoma		45/50 (90%)	91/100 (91%)	49/50 (98%)				
		48/50 (96%)	46/50 (92%)	49/30 (90/8)				
Overall Incidence	Total	279/300 (93%)	Mean 93.4%	SD 3.44%				
Thymus: Sarcoma								
		0/48 (0%)	0/87 (0%)	0/47 (0%)		0/50 (0%)	0/92 (0%)	
Overall Incidence	Total	0/48 (0%) 0/278 (0%)	0/48 (0%) Mean 0%	SD 0%	Total	0/48 (0%) 0/237 (0%)	0/47 (0%) Mean 0%	SD 0%
		( )						
Thymus: Thymoma Benign								
		0/48 (0%)	1/87 (1%)	0/47 (0%)		0/50 (0%)	0/92 (0%)	
Overall Incidence	Total	0/48 (0%) 1/278 (0.36%)	0/48 (0%) Mean 0.23%	SD 0.51%	Total	0/48 (0%) 0/237 (0%)	0/47 (0%) Mean 0%	SD 0%
Thymus: Thymoma Malignant								
		0/48 (0%)	0/87 (0%)	0/47 (0%)		0/50 (0%)	1/92 (1%)	
S	Tatal	0/48 (0%)	0/48 (0%)	<b>OD</b> 00/	<b>T</b> - ( - )	0/48 (0%)	0/47 (0%)	
Overall Incidence	Total	0/278 (0%)	Mean 0%	SD 0%	Total	1/237 (0.42%)	Mean 0.27%	SD 0.54%
Thymus: Thymoma: Benign, Malig	gnant, NOS							
		0/48 (0%) 0/48 (0%)	1/87 (1%) 0/48 (0%)	0/47 (0%)		0/50 (0%) 0/48 (0%)	1/92 (1%) 0/47 (0%)	
		0/48 (0%) 1/278 (0.36%)	0/48 (0%) Mean 0.23%			0/46 (0%)	0/47 (0%)	SD 0.54%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 234 Report Date: 05/24/2022

			Male				Female	
*Thyroid Gland: C-Cell: Adenoma								
		10/50 (20%) 9/48 (19%)	12/100 (12%) 11/47 (23%)	6/50 (12%)		4/50 (8%) 9/49 (18%)	11/100 (11%) 10/47 (21%)	
Overall Incidence	Total	48/295 (16.27%)	Mean 17.23%	SD 5.07%	Total	34/246 (13.82%)	Mean 14.66%	SD 6.2%
Thyroid Gland: C-Cell: Carcinoma								
		1/50 (2%)	3/100 (3%)	1/50 (2%)		0/50 (0%)	3/100 (3%)	
Overall Incidence	Total	1/48 (2%) 6/295 (2.03%)	0/47 (0%) Mean 1.82%	SD 1.1%	Total	0/49 (0%) 4/246 (1.63%)	1/47 (2%) Mean 1.28%	SD 1.52%
						( )		
Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		11/50 (22%) 10/48 (21%)	15/100 (15%) 11/47 (23%)	7/50 (14%)		4/50 (8%) 9/49 (18%)	14/100 (14%) 11/47 (23%)	
Overall Incidence	Total	54/295 (18.31%)	Mean 19.05%	SD 4.26%	Total	38/246 (15.45%)	Mean 15.94%	SD 6.54%
Thyroid Gland: Follicular Cell: Adenoma								
		2/50 (4%) 1/48 (2%)	1/100 (1%) 0/47 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	1/100 (1%) 2/47 (4%)	
Overall Incidence	Total	4/295 (1.36%)	Mean 1.42%	SD 1.68%	Total	3/246 (1.22%)	Mean 1.31%	SD 2.02%
Thyroid Gland: Follicular Cell: Carcinoma								
		0/50 (0%) 0/48 (0%)	3/100 (3%) 0/47 (0%)	0/50 (0%)		0/50 (0%) 1/49 (2%)	0/100 (0%) 0/47 (0%)	
Overall Incidence	Total	3/295 (1.02%)	Mean 0.6%	SD 1.34%	Total	1/246 (0.41%)	Mean 0.51%	SD 1.02%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 235 Report Date: 05/24/2022

			Male				Female	
Thyroid Gland: Follicula Carcinoma or Adenoma								
		2/50 (4%) 1/48 (2%)	4/100 (4%) 0/47 (0%)	0/50 (0%)		0/50 (0%) 1/49 (2%)	1/100 (1%) 2/47 (4%)	
Overall Incidence	Total	7/295 (2.37%)	Mean 2.02%	SD 2%	Total	4/246 (1.63%)	Mean 1.82%	SD 1.82%
Tissue NOS: Fibrosarcoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
Tissue NOS: Leiomyoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Tissue NOS: Lipoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Tissue NOS: Paraganglioma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Vehicle: FEED

Version: Mar2007 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: 05/24/2022

			Male				Female	
#Tissue NOS: Sarcoma								
		0/50 (0%) 1/50 (2%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	1/300 (0.33%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
Tissue NOS: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 1/50 (2%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
fTongue: Liposarcoma								
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/50 (2%) 1/250 (0.4%)	0/50 (0%) Mean 0.5%	SD 1%
Fongue: Squamous Cell Carcinoma	······							
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Fongue: Squamous Cell Carcinoma	or Papillom	a Squamous						
	·	1/50 (2%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	2/300 (0.67%)	Mean 0.6%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 237 Report Date: 05/24/2022

			Male				Female	
#Tongue: Squamous Cell Papilloma								
		1/50 (2%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	0/50 (0%		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	2/300 (0.67%)	Mean 0.6%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
Tooth: Odontogenic Tumor								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%	))	0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Urinary Bladder: Carcinoma								
		0/50 (0%)	0/100 (0%)	0/49 (0%	<b>b</b> )	0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/298 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/249 (0%)	0/49 (0%) Mean 0%	SD 0%
Urinary Bladder: Carcinoma or Papilloma								
		0/50 (0%) 0/50 (0%)	0/100 (0%)	1/49 (2%	b)	0/50 (0%) 1/50 (2%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 1/298 (0.34%)	0/49 (0%) Mean 0.41%	SD 0.91%	Total	1/50 (2%)	0/49 (0%) Mean 0.5%	SD 1%
Urinary Bladder: Leiomyosarcoma								
-		0/50 (0%)	0/100 (0%)	0/49 (0%	b)	0/50 (0%)	0/100 (0%)	
Overall Incidence	Total	0/50 (0%) 0/298 (0%)	0/49 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/249 (0%)	0/49 (0%) Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 238 Report Date: 05/24/2022

			Male					Female	
Urinary Bladder: Papilloma									
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	1/49	(2%)		0/50 (0%) 1/50 (2%)	0/100 (0%) 0/49 (0%)	
Overall Incidence	Total	1/298 (0.34%)	Mean 0.41%	SD 0.91%		Total	1/249 (0.4%)	Mean 0.5%	SD 1%
Urinary Bladder: Sarcoma									
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	0/49	(0%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/49 (0%)	
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%		Total	0/249 (0%)	Mean 0%	SD 0%
ŧUterus: Adenoma									
							0/50 (0%)	0/100 (0%)	
Overall Incidence						Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
Uterus: Carcinoma									
							0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence						Total	0/250 (0%)	Mean 0%	SD 0%
Uterus: Deciduoma Benign									
							0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence						Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N	Toxicology Data Management System Tumor Incidence for Selected Control Animal Group Route: ORAL Vehicle: FEED	Page: 239 Report Date: 05/24/2022		
Length of Study: CHRONIC				
	Male		Female	
#Uterus: Hemangioma				
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%
Uterus:				
Hemangiosarcoma		0/50 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%
ŧUterus:				
Leiomyoma		0/50 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%
fUterus:				
Leiomyosarcoma		0/50 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%
#Uterus:				
Polyp Stromal		6/50 (12%)	14/100 (14%)	
		8/50 (12%)	16/50 (32%)	
Overall Incidence	Total	44/250 (17.6%)	Mean 18.5%	SD 9.15%

/ersion: Mar2007 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: 240 Report Date: 05/24/2022		
	Male		Female	
tUterus: Sarcoma Stromal				
		0/50 (0%) 0/50 (0%)	0/100 (0%) 1/50 (2%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.5%	SD 1%
Uterus: Sarcoma Stromal or Polyp Stromal				
		6/50 (12%) 8/50 (16%)	14/100 (14%) 17/50 (34%)	
Overall Incidence	Total	45/250 (18%)	Mean 19%	SD 10.13%
Uterus: Schwannoma Malignant				
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%
Vagina:				
Polyp		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%
Vagina: Sarcoma				
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%

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

#### Page: 241 Report Date: 05/24/2022

			Male				Female	
#Zymbal's Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.25%	SD 0.5%
#Zymbal's Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 3/50 (6%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/100 (0%) 0/50 (0%)	
Overall Incidence	Total	4/300 (1.33%)	Mean 1.6%	SD 2.61%	Total	0/250 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/100 (0%) 3/50 (6%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	1/100 (1%) 0/50 (0%)	
Overall Incidence	Total	4/300 (1.33%)	Mean 1.6%	SD 2.61%	Total	1/250 (0.4%)	Mean 0.25%	SD 0.5%

\*: 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		
Battelle Columbus Laboratory	058803105	03/31/97	729	50(3)	23(662)	519.6	Dipropylene glycol
Southern Research Institute	059601905	09/26/01	729	50(3)	31(686)	526.0	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601803	12/15/98	729	50(3)	29(682)	511.6	Water disinfection byproducts (Bromodichloromethane)
Southern Research Institute	059601705	03/08/00	729	50(3)	34(683)	522.9	Water disinfection byproducts (Dibromoacetic acid)
Southern Research Institute	059601505	09/05/01	729	50(3)	31(692)	507.8	Water disinfection byproducts (Dibromoacetonitrile)
Southern Research Institute	059601003	09/16/98	729	50(3)	36(687)	514.1	Water disinfection byproducts (Sodium chlorate)
					Female		
Battelle Columbus Laboratory	058803105	04/01/97	729	50(5)	30(683)	350.8	Dipropylene glycol
Southern Research Institute	059601905	09/26/01	731	50(5)	34(688)	357.3	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601803	N/A	N/A	0(0)	0(0)	N/A	Water disinfection byproducts (Bromodichloromethane)
Southern Research Institute	059601705	03/08/00	734	50(5)	35(693)	350.5	Water disinfection byproducts (Dibromoacetic acid)
Southern Research Institute	059601505	09/05/01	734	50(5)	29(689)	337.6	Water disinfection byproducts (Dibromoacetonitrile)
Southern Research Institute	059601003	09/16/98	734	50(5)	37(699)	341.7	Water disinfection byproducts (Sodium chlorate)

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

#### Page: 243 Report Date: 05/24/2022

			Male				Female	
#All Organs: Benign Tumors								
		47/50 (94%) 47/50 (94%)	50/50 (100%) 50/50 (100%)	49/50 (98%) 48/50 (96%)		44/50 (88%) 42/50 (84%)	49/50 (98%) 44/50 (88%)	46/50 (92%)
Overall Incidence	Total	291/300 (97%)	Mean 97%	SD 2.76%	Total	225/250 (90%)	Mean 90%	SD 5.29%
All Organs: Malignant Tumors								
		35/50 (70%)	27/50 (54%)	28/50 (56%)		25/50 (50%)	18/50 (36%)	
		29/50 (58%)	27/50 (54%)	27/50 (54%)		16/50 (32%)	20/50 (40%)	21/50 (42%)
Overall Incidence	Total	173/300 (57.67%)	Mean 57.67%	SD 6.25%	Total	100/250 (40%)	Mean 40%	SD 6.78%
#All Organs: Malignant and Benign Tu	umors	49/50 (98%)	50/50 (100%)	50/50 (100%)		50/50 (100%)	49/50 (98%) 49/50 (98%)	
Overall Incidence	Total	50/50 (100%) 298/300 (99.33%)	50/50 (100%) Mean 99.33%	49/50 (98%) SD 1.03%	Total	45/50 (90%) 241/250 (96.4%)	48/50 (96%) Mean 96.4%	49/50 (98%) SD 3.85%
All Organs: Hemangioma		0/50 /00/				0/50 (00()		
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
#All Organs: Hemangiosarcoma								
-		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 05/24/2022

			Male				Female	
All Organs: Hemangiosarcoma or H	lemangioma							
nemangiosarooma or m	lemangiema	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
All Organs: Histiocytic Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
		2/50 (4%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
	c, Monocytic, N	Mononuclear, or Undiffere 16/50 (32%)	ntiated 21/50 (42%)	16/50 (32%)		10/50 (20%)	15/50 (30%)	
#All Organs: Leukemia: Lymphocytic Overall Incidence	c, <b>Monocytic</b> , M Total			16/50 (32%) 13/50 (26%) SD 6.28%	Total	10/50 (20%) 11/50 (22%) 61/250 (24.4%)	15/50 (30%) 14/50 (28%) Mean 24.4%	11/50 (22%) SD 4.34%
Leukemia: Lymphocytic Overall Incidence #All Organs:	Total	16/50 (32%) 17/50 (34%) 104/300 (34.67%)	21/50 (42%) 21/50 (42%) Mean 34.67%	13/50 (26%) SD 6.28%	Total	11/50 (22%)	14/50 (28%)	· · ·
Leukemia: Lymphocytic Overall Incidence #All Organs:	Total	16/50 (32%) 17/50 (34%)	21/50 (42%) 21/50 (42%) Mean 34.67%	13/50 (26%) SD 6.28%	Total	11/50 (22%)	14/50 (28%)	· · ·
Leukemia: Lymphocytic Overall Incidence #All Organs:	Total	16/50 (32%) 17/50 (34%) 104/300 (34.67%) mphocytic, Mixed, NOS, o	21/50 (42%) 21/50 (42%) Mean 34.67% r Undifferentiated Cel	13/50 (26%) SD 6.28%	Total	11/50 (22%) 61/250 (24.4%)	14/50 (28%) Mean 24.4%	· · ·
Leukemia: Lymphocytic Overall Incidence #All Organs: Malignant Lymphoma: H	Total	16/50 (32%) 17/50 (34%) 104/300 (34.67%) mphocytic, Mixed, NOS, o 1/50 (2%)	21/50 (42%) 21/50 (42%) Mean 34.67% r Undifferentiated Cel 0/50 (0%)	13/50 (26%) SD 6.28% I <b>Type</b> 0/50 (0%)	Total Total	11/50 (22%) 61/250 (24.4%) 0/50 (0%)	14/50 (28%) Mean 24.4% 0/50 (0%)	SD 4.34%
Leukemia: Lymphocytic Overall Incidence #All Organs: Malignant Lymphoma: H Overall Incidence	Total Histiocytic, Ly	16/50 (32%) 17/50 (34%) 104/300 (34.67%) mphocytic, Mixed, NOS, o 1/50 (2%) 0/50 (0%)	21/50 (42%) 21/50 (42%) Mean 34.67% r Undifferentiated Cel 0/50 (0%) 0/50 (0%)	13/50 (26%) SD 6.28% I <b>Type</b> 0/50 (0%) 1/50 (2%) SD 1.03%		11/50 (22%) 61/250 (24.4%) 0/50 (0%) 0/50 (0%)	14/50 (28%) Mean 24.4% 0/50 (0%) 1/50 (2%)	SD 4.34%
Leukemia: Lymphocytic Overall Incidence #All Organs: Malignant Lymphoma: H Overall Incidence #All Organs:	Total Histiocytic, Ly	16/50 (32%) 17/50 (34%) 104/300 (34.67%) mphocytic, Mixed, NOS, o 1/50 (2%) 0/50 (0%) 2/300 (0.67%) 1/50 (2%)	21/50 (42%) 21/50 (42%) Mean 34.67% r Undifferentiated Cel 0/50 (0%) 0/50 (0%) Mean 0.67%	13/50 (26%) SD 6.28% I Type 0/50 (0%) 1/50 (2%) SD 1.03% 0/50 (0%)		11/50 (22%) 61/250 (24.4%) 0/50 (0%) 0/50 (0%) 1/250 (0.4%) 0/50 (0%)	14/50 (28%) Mean 24.4% 0/50 (0%) 1/50 (2%) Mean 0.4% 0/50 (0%)	SD 4.34% 0/50 (0%) SD 0.89%
Leukemia: Lymphocytic Overall Incidence #All Organs: Malignant Lymphoma: H Overall Incidence #All Organs:	Total Histiocytic, Ly	16/50 (32%) 17/50 (34%) 104/300 (34.67%) mphocytic, Mixed, NOS, o 1/50 (2%) 0/50 (0%) 2/300 (0.67%)	21/50 (42%) 21/50 (42%) Mean 34.67% r Undifferentiated Cel 0/50 (0%) 0/50 (0%) Mean 0.67%	13/50 (26%) SD 6.28% I <b>Type</b> 0/50 (0%) 1/50 (2%) SD 1.03%		11/50 (22%) 61/250 (24.4%) 0/50 (0%) 0/50 (0%) 1/250 (0.4%)	14/50 (28%) Mean 24.4% 0/50 (0%) 1/50 (2%) Mean 0.4%	SD 4.34%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
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: 245 Report Date: 05/24/2022

			Male				Female	
#All Organs: Mesothelioma: Benign, M	Aalignant, NOS	;						
	-	6/50 (12%) 3/50 (6%)	1/50 (2%) 0/50 (0%)	3/50 (6%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	13/300 (4.33%)	Mean 4.33%	SD 4.63%	Total	0/250 (0%)	Mean 0%	SD 0%
All Organs: Mesothelioma: Malignan								
		6/50 (12%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	
Duranell Incidence	Tatal	3/50 (6%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	13/300 (4.33%)	Mean 4.33%	SD 4.63%	Total	0/250 (0%)	Mean 0%	
#All Organs: Osteoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	- / /
Overell Insidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (00()
Overall Incidence	Total	0/50 (0%) 3/300 (1%)	0/50 (0%) Mean 1%	3/50 (6%) SD 2.45%	Total	0/50 (0%) 1/250 (0.4%)	0/50 (0%) Mean 0.4%	0/50 (0%) SD 0.89%
	10tai	3/300 (1%)		50 2.45%		1/250 (0.4%)	wean 0.4%	50 0.89%
#All Organs: Osteosarcoma or Osteor	na							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/50 (0%) 3/300 (1%)	0/50 (0%) Mean 1%	3/50 (6%) SD 2.45%	Total	0/50 (0%) 1/250 (0.4%)	0/50 (0%) Mean 0.4%	0/50 (0%) SD 0.89%
		3/300 (1%)				( /		

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 246 Report Date: 05/24/2022

			Male				Female	
Adrenal Cortex: Adenoma								
		0/47 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/49 (0%) 0/295 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	1/49 (2%) 2/248 (0.81%)	0/50 (0%) Mean 0.82%	0/50 (0%) SD 1.12%
		0/293 (076)				( /		
Adrenal Cortex: Carcinoma								
		0/47 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	- / />
	<b>-</b>	0/49 (0%)	0/50 (0%)	0/49 (0%)	<b>T</b> ( )	0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Ganglioneuroma								
		1/47 (2%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/295 (0.34%)	Mean 0.35%	SD 0.87%	Total	0/246 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Hemangioma								
		0/47 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	
	<b>T</b> ( )	0/49 (0%)	0/50 (0%)	0/49 (0%)	<b>T</b> ( )	0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	0/246 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Be	nign							
		4/47 (9%)	9/50 (18%)	8/50 (16%)		0/49 (0%)	2/49 (4%)	
<b>.</b>		7/49 (14%)	10/50 (20%)	6/49 (12%)	/	1/49 (2%)	1/49 (2%)	2/50 (4%)
Overall Incidence	Total	44/295 (14.92%)	Mean 14.84%	SD 4.12%	Total	6/246 (2.44%)	Mean 2.43%	SD 1.69%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 247 Report Date: 05/24/2022

			Male				Female	
Adrenal Medulla: Pheochromocytoma Co	omplex							
		0/47 (0%)	0/50 (0%)	2/50 (4%)		0/49 (0%)	0/49 (0%)	- / />
	<b>-</b>	0/49 (0%)	0/50 (0%)	0/49 (0%)	<b>-</b>	0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/295 (0.68%)	Mean 0.67%	SD 1.63%	Total	0/246 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Ma	alignant							
	U	5/47 (11%)	1/50 (2%)	1/50 (2%)		2/49 (4%)	2/49 (4%)	
		0/49 (0%)	0/50 (0%)	3/49 (6%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	10/295 (3.39%)	Mean 3.46%	SD 4.17%	Total	4/246 (1.63%)	Mean 1.63%	SD 2.24%
Pheochromocytoma: B Overall Incidence	Total	x, Malignant, NOS 9/47 (19%) 7/49 (14%) 56/295 (18.98%)	10/50 (20%) 10/50 (20%) Mean 18.97%	11/50 (22%) 9/49 (18%) SD 2.59%	Total	2/49 (4%) 1/49 (2%) 10/246 (4.07%)	4/49 (8%) 1/49 (2%) Mean 4.07%	2/50 (4%) SD 2.5%
#Blood Vessel: Osteosarcoma			- ()					
		0/50 (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%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
#Bone: Chondrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/250 (0.4%)	1/50 (2%) Mean 0.4%	0/50 (0%) SD 0.89%
	ruidi	0/300 (0%)		30 070	TUIAI	1/200 (0.470)		30 0.0970

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS

#### 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: 248 Report Date: 05/24/2022

			Male				Female	
#Bone: Chondrosarcoma or Cho	ndroma							
		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%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Bone: Chordoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Bone: Osteosarcoma or Osteon	na							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 249 Report Date: 05/24/2022

			Male				Female	
Brain: Astrocytoma Malignant								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/40 (00/)
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
		1/300 (0.33%)		5D 0.82%	10tai	0/249 (0%)	iviean 0%	50 0%
Brain: Ependymoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
*Brain: Glioma Malignant								
		0/50 (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%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/249 (0%)	Mean 0%	SD 0%
*Brain: Granular Cell Tumor Benig	n							
		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%)	0/49 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Brain: Medulloblastoma Mal								
		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%)	0/49 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/249 (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: WATER

#### Page: 250 Report Date: 05/24/2022

			Male				Female	
Brain: Meningioma Malignant	t							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
Brain: Meningioma: Benign, N	Valignant, NOS							
	•	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
Brain: Oligodendroglioma Be								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/249 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma Ma	alignant							
	-	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%)	0/49 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma, Gl	lioma, or Astrocy	/toma						
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	0/249 (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: WATER

#### Page: 251 Report Date: 05/24/2022

			Male				Female	
Brain: Sarcoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/40 (00/)
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/249 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
Clitoral/Preputial Gland: Adenoma								
		3/50 (6%)	4/50 (8%)	2/50 (4%)		6/48 (13%)	17/50 (34%)	
		3/50 (6%)	1/48 (2%)	1/48 (2%)		8/50 (16%)	5/50 (10%)	11/49 (22%)
Overall Incidence	Total	14/296 (4.73%)	Mean 4.69%	SD 2.39%	Total	47/247 (19.03%)	Mean 18.99%	SD 9.61%
*Clitoral/Preputial Gland: Carcinoma								
		3/50 (6%)	2/50 (4%)	1/50 (2%)		5/48 (10%)	0/50 (0%)	
		0/50 (0%)	0/48 (0%)	3/48 (6%)		1/50 (2%)	1/50 (2%)	3/49 (6%)
Overall Incidence	Total	9/296 (3.04%)	Mean 3.04%	SD 2.81%	Total	10/247 (4.05%)	Mean 4.11%	SD 4.17%
Clitoral/Preputial Gland: Carcinoma or Adenoma								
		6/50 (12%)	5/50 (10%)	3/50 (6%)		10/48 (21%)	17/50 (34%)	(000)
<b>0</b>	<b>T</b> . ( . )	3/50 (6%)	1/48 (2%)	4/48 (8%)	<b>T</b> . ( . )	9/50 (18%)	6/50 (12%)	14/49 (29%)
Overall Incidence	Total	22/296 (7.43%)	Mean 7.4%	SD 3.49%	Total	56/247 (22.67%)	Mean 22.68%	SD 8.69%
Clitoral/Preputial Gland: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	
O	<b>T</b> . ( . )	0/50 (0%)	0/48 (0%)	0/48 (0%)	<b>T</b> . ( . )	0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	0/247 (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: WATER

#### Page: 252 Report Date: 05/24/2022

			Male				Female	
Clitoral/Preputial Gland: Sarcoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	
<b>0</b>	<b>T</b> . ( . )	0/50 (0%)	0/48 (0%)	0/48 (0%)	<b>T</b> . ( . )	0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/247 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Squamous Cell Papilloma	а							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	
		1/50 (2%)	0/48 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/247 (0%)	Mean 0%	SD 0%
#Ear: Neural Crest Tumor								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
∉Eye: Amelanotic Melanoma, B	enign							
	-	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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 253 Report Date: 05/24/2022

			Male				Female	
Eye: Melanoma Benign								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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%)	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%	Total	0/250 (0%)	Mean 0%	SD 0%
#Harderian Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (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%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		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	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007

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: 254 Report Date: 05/24/2022

			Male				Female	
Heart: Schwannoma Benign								
		2/50 (4%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (00/)
<b></b>	<b>T</b> . ( . )	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b> - ( - 1	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
Heart: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Rect Adenoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Rect Carcinoma	um:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Intestine Large: Colon/Rect Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 255 Report Date: 05/24/2022

			Male				Female	
#Intestine Large: Colon/Rect Leiomyosarcoma	um:							
		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%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Intestine Large: Colon/Rect Polyp Adenomatous	um:							
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Leiomyosarcoma								
		0/50 (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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 256 Report Date: 05/24/2022

			Male				Female	
Intestine Small: Site Un Carcinoma	specified:							
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Small: Site Un Carcinoma or Adenom	specified:							
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Small: Site Un Leiomyoma								
-		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Intestine Small: Site Un Leiomyosarcoma	specified:							
		0/50 (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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Islets, Pancreatic: Adenoma								
		2/44 (5%)	3/50 (6%)	3/49 (6%)		0/47 (0%)	3/49 (6%)	
		5/48 (10%)	5/49 (10%)	3/50 (6%)		0/47 (0%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	21/290 (7.24%)	Mean 7.21%	SD 2.47%	Total	6/243 (2.47%)	Mean 2.42%	SD 2.65%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 257 Report Date: 05/24/2022

			Male				Female	
Islets, Pancreatic: Carcinoma								
		0/44 (0%)	2/50 (4%)	0/49 (0%)		0/47 (0%)	0/49 (0%)	
<b>0</b>	<b>T</b> . ( . )	0/48 (0%)	1/49 (2%)	2/50 (4%)	<b>T</b> - ( - 1	0/47 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	5/290 (1.72%)	Mean 1.67%	SD 1.97%	Total	1/243 (0.41%)	Mean 0.4%	SD 0.89%
Islets, Pancreatic: Carcinoma or Adenoma								
		2/44 (5%)	5/50 (10%)	3/49 (6%)		0/47 (0%)	3/49 (6%)	
		5/48 (10%)	6/49 (12%)	5/50 (10%)		0/47 (0%)	1/50 (2%)	3/50 (6%)
Overall Incidence	Total	26/290 (8.97%)	Mean 8.89%	SD 2.92%	Total	7/243 (2.88%)	Mean 2.82%	SD 3.07%
*Kidney: Pelvis and Trans Carcinoma	itional Epitheli	um: 0/47 (0%) 0/49 (0%)	0/50 (0%) 0/49 (0%)	0/49 (0%) 0/47 (0%)		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Trans Carcinoma or Adenoma	itional Epitheli	um: 0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Trans Papilloma	itional Epitheli	um:						
•		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (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: WATER

#### Page: 258 Report Date: 05/24/2022

			Male				Female	
Kidney: Renal Tubule: Adenoma								
		1/47 (2%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	1/50 (2%)	
	<b>T</b> ( )	1/49 (2%)	0/49 (0%)	0/47 (0%)	<b>T</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	2/291 (0.69%)	Mean 0.69%	SD 1.08%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
Kidney: Renal Tubule: Carcinoma								
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma or Adenoma								
		1/47 (2%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	1/50 (2%)	
		1/49 (2%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	2/291 (0.69%)	Mean 0.69%	SD 1.08%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Lipoma								
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (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: WATER

#### Page: 259 Report Date: 05/24/2022

			Male				Female	
Kidney: Renal Tubule: Liposarcoma								
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Nephroblastoma								
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Sarcoma								
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/291 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Stromal Nephroma								
		1/47 (2%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	- / /
		0/49 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/291 (0.34%)	Mean 0.35%	SD 0.87%	Total	0/249 (0%)	Mean 0%	SD 0%
Liver: Cholangiocarcinoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 260 Report Date: 05/24/2022

			Male				Female	
Liver: Hemangiosarcoma								
		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%)
Verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Adenoma								
		0/50 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%
Liver: Hepatocellular Carcinon								
		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%)
Verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinon	na or Hepatobla	astoma						
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Carcinon	na or Hepatoce	Ilular Adenoma						
-	-	0/50 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 261 Report Date: 05/24/2022

			Male				Female	
Liver:								
Hepatocellular Carcino	oma, Hepatocellu	ular Adenoma, or Hepatol	blastoma					
		0/50 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%
₋ung: Alveolar/Bronchiolar A								
		2/50 (4%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
		2/50 (4%)	3/50 (6%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	10/300 (3.33%)	Mean 3.33%	SD 2.07%	Total	4/250 (1.6%)	Mean 1.6%	SD 0.89%
Lung: Alveolar/Bronchiolar C	Carcinoma	1/50 (2%) 0/50 (0%)	1/50 (2%) 1/50 (2%)	1/50 (2%) 3/50 (6%)		1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	7/300 (2.33%)	Mean 2.33%	SD 1.97%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%
Lung: Alveolar/Bronchiolar C	Carcinoma or Alv	veolar/Bronchiolar Adeno	ma					
		3/50 (6%)	3/50 (6%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	
		2/50 (4%)	4/50 (8%)	4/50 (8%)		2/50 (4%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	17/300 (5.67%)	Mean 5.67%	SD 2.34%	Total	7/250 (2.8%)	Mean 2.8%	SD 1.1%
Lung: Hemangiosarcoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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: WATER

# Page: 262 Report Date: 05/24/2022

			Male				Female	
Lung: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	1/50 (2%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Lung: Squamous Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	<b>T</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b> ( )	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
*Lymph Node, Mesenteric: Sarcoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Mammary Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b>	0/50 (0%)	0/50 (0%)	3/50 (6%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	3/250 (1.2%)	Mean 1.2%	SD 2.68%
#Mammary Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		4/50 (8%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		3/50 (6%)	2/50 (4%)	3/50 (6%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	13/250 (5.2%)	Mean 5.2%	SD 2.28%

\*: Denominator is number of animals with tissues examined microscopically

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

## Page: 263 Report Date: 05/24/2022

			Male				Female	
#Mammary Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		4/50 (8%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		3/50 (6%)	2/50 (4%)	6/50 (12%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	16/250 (6.4%)	Mean 6.4%	SD 3.85%
Mammary Gland: Fibroadenoma								
		1/50 (2%)	3/50 (6%)	1/50 (2%)		36/50 (72%)	43/50 (86%)	
		4/50 (8%)	6/50 (12%)	2/50 (4%)		32/50 (64%)	31/50 (62%)	33/50 (66%)
Overall Incidence	Total	17/300 (5.67%)	Mean 5.67%	SD 3.88%	Total	175/250 (70%)	Mean 70%	SD 9.7%
#Mammary Gland: Fibroma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma								
		1/50 (2%)	3/50 (6%)	2/50 (4%)		36/50 (72%)	43/50 (86%)	
		4/50 (8%)	6/50 (12%)	2/50 (4%)		32/50 (64%)	31/50 (62%)	35/50 (70%)
Overall Incidence	Total	18/300 (6%)	Mean 6%	SD 3.58%	Total	177/250 (70.8%)	Mean 70.8%	SD 9.44%
#Mammary Gland: Fibroma, Fibroadenoma	, Carcinoma, o	r Adenoma						
		1/50 (2%)	3/50 (6%)	2/50 (4%)		37/50 (74%)	43/50 (86%)	
		5/50 (10%)	6/50 (12%)	2/50 (4%)		32/50 (64%)	31/50 (62%)	37/50 (74%)
Overall Incidence	Total	19/300 (6.33%)	Mean 6.33%	SD 3.88%	Total	180/250 (72%)	Mean 72%	SD 9.59%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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	
fMesentery: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	- / /
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
				50 0%	10tai	0/250 (0%)	wean 0%	50 0%
Mesentery: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
S	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b> . ( . )	0/50 (0%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
fMesentery: Liposarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Numeri Institutes	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Mesentery: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	<b>T</b>	0/50 (0%)	0/50 (0%)	1/50 (2%)	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 265 Report Date: 05/24/2022

			Male				Female	
#Mesentery: Rhabdomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	1/50 (2%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		· · · ·				( )		
Nose: Adenoma								
		0/46 (0%)	0/50 (0%)	0/50 (0%)		0/48 (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	0/294 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
*Nose: Chondroma								
		0/46 (0%)	0/50 (0%)	0/50 (0%)		0/48 (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	0/294 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%
*Nose: Sarcoma								
		0/46 (0%)	0/50 (0%)	1/50 (2%)		0/48 (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	1/294 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/248 (0%)	Mean 0%	SD 0%
'Nose: Squamous Cell Carcinoma								
		0/46 (0%)	0/50 (0%)	0/50 (0%)		0/48 (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	0/294 (0%)	Mean 0%	SD 0%	Total	0/248 (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: WATER

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			Male				Female	
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Papilloma Squamous or Papilloma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
Oral Cavity (Oral Mucos Squamous Cell Carcin		rynx, Tooth, Gingiva):						
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
		rynx, Tooth, Gingiva): Squamous, or Papilloma 0/50 (0%)	a 0/50 (0%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	
Squamous Cell Carcin		Squamous, or Papilloma		1/50 (2%) 0/50 (0%) SD 0.82%	Total	1/50 (2%) 0/50 (0%) 3/250 (1.2%)	1/50 (2%) 1/50 (2%) Mean 1.2%	0/50 (0%) SD 1.1%
Squamous Cell Carcin Overall Incidence #Oral Mucosa:	noma, Papilloma Total	Squamous, or Papilloma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	1/50 (2%)	( )
Squamous Cell Carcin Overall Incidence	noma, Papilloma Total	Squamous, or Papilloma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	1/50 (2%) Mean 1.2%	( )
Squamous Cell Carcin Overall Incidence #Oral Mucosa:	noma, Papilloma Total	Squamous, or Papilloma 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 3/250 (1.2%)	1/50 (2%) Mean 1.2%	( )
Squamous Cell Carcin Dverall Incidence #Oral Mucosa: Squamous Cell Carcin	noma, Papilloma Total	Squamous, or Papilloma 0/50 (0%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0.33% 0/50 (0%)	0/50 (0%) SD 0.82% 0/50 (0%)	Total	0/50 (0%) 3/250 (1.2%) 0/50 (0%)	1/50 (2%) Mean 1.2% 0/50 (0%)	SD 1.1%
Overall Incidence #Oral Mucosa:	noma, Papilloma Total noma Total	Squamous, or Papilloma 0/50 (0%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0.33% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0.82% 0/50 (0%) 0/50 (0%)		0/50 (0%) 3/250 (1.2%) 0/50 (0%) 0/50 (0%)	1/50 (2%) Mean 1.2% 0/50 (0%) 0/50 (0%)	SD 1.1%
Squamous Cell Carcin Overall Incidence #Oral Mucosa: Squamous Cell Carcin Overall Incidence #Oral Mucosa:	noma, Papilloma Total noma Total	Squamous, or Papilloma 0/50 (0%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0.33% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0.82% 0/50 (0%) 0/50 (0%)		0/50 (0%) 3/250 (1.2%) 0/50 (0%) 0/50 (0%)	1/50 (2%) Mean 1.2% 0/50 (0%) 0/50 (0%)	SD 1.1%
Squamous Cell Carcin Overall Incidence #Oral Mucosa: Squamous Cell Carcin Overall Incidence #Oral Mucosa:	noma, Papilloma Total noma Total	Squamous, or Papilloma 0/50 (0%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0.33% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0.82% 0/50 (0%) 0/50 (0%) SD 0%		0/50 (0%) 3/250 (1.2%) 0/50 (0%) 0/50 (0%) 0/250 (0%)	1/50 (2%) Mean 1.2% 0/50 (0%) 0/50 (0%) Mean 0%	SD 1.1%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 267 Report Date: 05/24/2022			
	Male	Female			
*Ovary: Cystadenoma					
Cystatenoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	
Ovary: Granulosa Cell Tumor Benign					
		0/50 (0%)	0/50 (0%)		
o	<b>T</b> -1-1	0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	
Ovary: Granulosa Cell Tumor Malignant					
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
		·····			
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS					
		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	
Ovary:					
Granulosa-Theca Tumor Benign			0/50 (00/)		
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	

Version: Mar2007 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: 268 Report Date: 05/24/2022		
			Male				Female			
*Ovary: Granulosa-Theca Tumor Malig	gnant									
	J				<b>T</b>	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		
Overall Incidence					Total	al 0/250 (0%) Mean 0%		SD 0%		
*Ovary: Sarcoma										
						1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		
Overall Incidence					Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%		
'Ovary: Thecoma Malignant										
						0/50 (0%)	0/50 (0%)			
						0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence					Total	0/250 (0%)	Mean 0%	SD 0%		
*Pancreas: Adenoma										
		0/44 (0%)	2/50 (4%)	3/49 (6%)		1/47 (2%)	0/50 (0%)			
<b>N</b>	Tatal	0/48 (0%)	1/49 (2%)	0/49 (0%)	Tatal	0/47 (0%)	0/50 (0%)	2/50 (4%)		
Overall Incidence	Total	6/289 (2.08%)	Mean 2.03%	SD 2.57%	Total	3/244 (1.23%)	Mean 1.23%	SD 1.8%		
Pancreas: Carcinoma										
		1/44 (2%)	0/50 (0%)	0/49 (0%)		0/47 (0%)	0/50 (0%)			
	Total	0/48 (0%)	0/49 (0%)	0/49 (0%)	Total	0/47 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/289 (0.35%)	Mean 0.38%	SD 0.93%	Total	0/244 (0%)	Mean 0%	SD 0%		

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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	
Pancreas: Carcinoma or Adenoma								
		1/44 (2%)	2/50 (4%)	3/49 (6%)		1/47 (2%)	0/50 (0%)	
	<b>T</b>	0/48 (0%)	1/49 (2%)	0/49 (0%)	<b>-</b>	0/47 (0%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	7/289 (2.42%)	Mean 2.41%	SD 2.37%	Total	3/244 (1.23%)	Mean 1.23%	SD 1.8%
Pancreas: Mixed Tumor Benign								
		2/44 (5%)	0/50 (0%)	0/49 (0%)		0/47 (0%)	0/50 (0%)	
		0/48 (0%)	0/49 (0%)	0/49 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/289 (0.69%)	Mean 0.76%	SD 1.86%	Total	0/244 (0%)	Mean 0%	SD 0%
*Parathyroid Gland: Adenoma								
		1/45 (2%)	0/44 (0%)	0/48 (0%)		0/49 (0%)	0/42 (0%)	
		0/50 (0%)	1/46 (2%)	0/49 (0%)		0/50 (0%)	0/42 (0%)	0/47 (0%)
Overall Incidence	Total	2/282 (0.71%)	Mean 0.73%	SD 1.14%	Total	0/230 (0%)	Mean 0%	SD 0%
Peripheral Nerve: Sarcoma								
		1/50 (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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
#Peripheral Nerve: Schwannoma Malignant								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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			Male				Female		
#Peripheral Nerve: Schwannoma: Benign, Malignant, NOS									
-	-	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%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%	
Pituitary Gland: Pars Di Adenoma		cified Site:							
		15/47 (32%)	23/48 (48%)	22/49 (45%)		20/48 (42%)	28/50 (56%)		
		23/50 (46%)	24/50 (48%)	16/48 (33%)		26/50 (52%)	27/49 (55%)	23/49 (47%)	
Overall Incidence	Total	123/292 (42.12%)	Mean 42.01%	SD 7.38%	Total	124/246 (50.41%)	Mean 50.34%	SD 6.01%	
Carcinoma Overall Incidence	Total	0/47 (0%) 0/50 (0%) 0/292 (0%)	0/48 (0%) 0/50 (0%) Mean 0%	0/49 (0%) 0/48 (0%) SD 0%	Total	1/48 (2%) 0/50 (0%) 2/246 (0.81%)	0/50 (0%) 0/49 (0%) Mean 0.82%	1/49 (2%) SD 1.13%	
Pituitary Gland: Pars Di Carcinoma or Adenom	•	cified Site:							
		15/47 (32%)	23/48 (48%)	22/49 (45%)		21/48 (44%)	28/50 (56%)		
		( )	( )						
		23/50 (46%)	24/50 (48%)	16/48 (33%)		26/50 (52%)	27/49 (55%)	24/49 (49%)	
Overall Incidence	Total	23/50 (46%) 123/292 (42.12%)	( )	16/48 (33%) SD 7.38%	Total	26/50 (52%) 126/246 (51.22%)	27/49 (55%) Mean 51.17%	24/49 (49%) SD 4.98%	
Overall Incidence *Pituitary Gland: Pars Int Adenoma		23/50 (46%) 123/292 (42.12%)	24/50 (48%)	( )	Total	( )	( )	· · ·	
*Pituitary Gland: Pars Int		23/50 (46%) 123/292 (42.12%) 0/47 (0%)	24/50 (48%) Mean 42.01% 0/48 (0%)	SD 7.38%	Total	126/246 (51.22%) 0/48 (0%)	Mean 51.17%	SD 4.98%	
*Pituitary Gland: Pars Int		23/50 (46%) 123/292 (42.12%)	24/50 (48%) Mean 42.01%	SD 7.38%	Total	126/246 (51.22%)	Mean 51.17%	· · ·	

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incider	Page: 271 Report Date: 05/24/2022				
			Male		Female			
*Pituitary Gland: Pars Interme Carcinoma	edia:							
		0/47 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)	0/49 (0%) 0/48 (0%)		0/48 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/49 (0%)
Overall Incidence	Total	0/292 (0%)	Mean 0%	SD 0%	Total	0/246 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Interne Carcinoma or Adenoma								
		0/47 (0%)	0/48 (0%)	0/49 (0%)		0/48 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/292 (0%)	0/50 (0%) Mean 0%	0/48 (0%) SD 0%	Total	1/50 (2%) 2/246 (0.81%)	0/49 (0%) Mean 0.81%	1/49 (2%) SD 1.11%
*Prostate: Adenoma								
		1/48 (2%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/49 (0%)	0/50 (0%)				
Overall Incidence	Total	1/297 (0.34%)	Mean 0.35%	SD 0.85%				
*Prostate: Carcinoma or Adenoma								
		1/48 (2%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/50 (0%) 1/297 (0.34%)	0/49 (0%) Mean 0.35%	0/50 (0%) SD 0.85%				
		. ,		0.0070				
*Salivary Glands: Sarcoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/298 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/249 (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	
Salivary Glands: Schwannoma Malignant								
		0/49 (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%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
/Skeletal Muscle: Hemangioma								
		0/50 (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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
≭Skeletal Muscle: Hemangiosarcoma								
-		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
∕Skeletal Muscle: Lipoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

# Page: 273 Report Date: 05/24/2022

			Male				Female	
Skeletal Muscle: Rhabdomyosarcoma								
		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%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Skeletal Muscle: Rhabdomyosarcoma or	Rhabdomyoma	a						
-	-	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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
/Skeletal Muscle: Sarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (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%)
Verall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin: Basal Cell Adenoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin: Basal Cell Adenoma or I	Basosquamous	s Tumor Benign						
	•	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

## Page: 274 Report Date: 05/24/2022

			Male				Female	
#Skin:								
Basal Cell Adenoma, E	Basosquamous	Tumor Benign, or Trichoe	•					
		0/50 (0%)	3/50 (6%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
verall Incidence	Total	8/300 (2.67%)	Mean 2.67%	SD 2.07%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%
Skin: Basal Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Overall Incidence	Total	0/50 (0%) 1/50 (2%) 4/300 (1.33%)	0/50 (0%) 2/50 (4%) Mean 1.33%	1/50 (2%) 0/50 (0%) SD 1.63%	Total	0/50 (0%) 0/50 (0%) 1/250 (0.4%)	0/50 (0%) 0/50 (0%) Mean 0.4%	1/50 (2%) SD 0.89%
#Skin: Basal Cell Carcinoma, NOS), or Trichoepithel		oma, Basosquamous Tu	mor (benign, maligna	nt or				
<i>"</i>		0/50 (0%)	3/50 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	
		2/50 (4%)	4/50 (8%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	3/50 (6%)
Overall Incidence	Total	12/300 (4%)	Mean 4%	SD 2.83%	Total	3/250 (1.2%)	Mean 1.2%	SD 2.68%
#Skin: Basal or Sq. Cell Carci	inoma, Carcinon Sg Papilloma, Ko	na, Basosq. Tumor (M or eratoacanthoma, Trichoe	pithelioma					
/Skin: Basal or Sq. Cell Carci	inoma, Carcinon Sq Papilloma, Ko	na, Basosq. Tumor (M or eratoacanthoma, Trichoe 1/50 (2%)	b), Basal Cell Adenon pithelioma 6/50 (12%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	
#Skin: Basal or Sq. Cell Carci	inoma, Carcinon Sq Papilloma, Ke	eratoacanthoma, Trichoe	pithelioma			0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	3/50 (6%)

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

# Page: 275 Report Date: 05/24/2022

			Male				Female	
≭Skin: Fibroma								
		6/50 (12%)	7/50 (14%)	6/50 (12%)		1/50 (2%)	1/50 (2%)	
		5/50 (10%)	8/50 (16%)	9/50 (18%)		1/50 (2%)	0/50 (0%)	4/50 (8%)
Overall Incidence	Total	41/300 (13.67%)	Mean 13.67%	SD 2.94%	Total	7/250 (2.8%)	Mean 2.8%	SD 3.03%
Skin: Fibroma, Fibrosarcoma,	Sarcoma, My	koma, Myxosarcoma, or F	ibrous Histiocytoma					
		9/50 (18%)	8/50 (16%)	7/50 (14%)		1/50 (2%)	1/50 (2%)	
		6/50 (12%)	9/50 (18%)	10/50 (20%)		1/50 (2%)	1/50 (2%)	4/50 (8%)
Overall Incidence	Total	49/300 (16.33%)	Mean 16.33%	SD 2.94%	Total	8/250 (3.2%)	Mean 3.2%	SD 2.68%
≇Skin: Fibrosarcoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin:		a, or Fibrous Histiocytom						
		3/50 (6%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	8/300 (2.67%)	Mean 2.67%	SD 1.63%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
≇Skin: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (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%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 276 Report Date: 05/24/2022

			Male				Female	
∕Skin: Hemangioma								
		0/50 (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%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma								
		1/50 (2%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	
		3/50 (6%)	6/50 (12%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	18/300 (6%)	Mean 6%	SD 3.79%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin: Lipoma								
		1/50 (2%)	0/50 (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%)	1/50 (2%)
verall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
∜Skin: Liposarcoma								
-		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 277 Report Date: 05/24/2022

			Male				Female	
≮Skin: Neural Crest Tumor								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	<b>-</b>	1/50 (2%)	0/50 (0%)	1/50 (2%)	<b>T</b> ( )	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Skin: Neurofibroma or Schw	vannoma benign							
	C C	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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Overall Incidence	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%) 0/250 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Neurofibrosarcoma, N	eurofibroma, or S	Schwannoma (benign, n	alignant or NOS)					
	leurofibroma, or S	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Neurofibrosarcoma, N		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Neurofibrosarcoma, N	<b>leurofibroma, or S</b> Total	0/50 (0%)	0/50 (0%)	( )	Total	( )	( )	0/50 (0%) SD 0%
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	( )
Neurofibrosarcoma, N Overall Incidence #Skin:		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%)	Total	0/50 (0%) 0/250 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%)	SD 0%
Neurofibrosarcoma, N Overall Incidence #Skin:		0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	( )

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 278 Report Date: 05/24/2022

			Male				Female	
Skin: Sarcoma								
		3/50 (6%)	0/50 (0%)	1/50 (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%)
verall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 2.34%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin: Schwannoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	Tetal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin: Squamous Cell Carcinoma								
		0/50 (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%)	0/50 (0%)	0/50 (0%)
Verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin:								
Squamous Cell Carcinoma, or Carcinoma	Dasai Cell	Carcinoma, Basosquam	ous rumor (malignant	or NOS),				
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

\*: Denominator is number of animals with tissues examined microscopically

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

# Page: 279 Report Date: 05/24/2022

			Male				Female	
#Skin: Squamous Cell Papillor	na							
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/300 (2%)	Mean 2%	SD 2.53%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Skin: Squamous Cell Papillon	na or Papilloma	a						
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/300 (2%)	Mean 2%	SD 2.53%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Squamous Cell Papillon Overall Incidence	Total	1/50 (2%) 6/50 (12%) 25/300 (8.33%)	4/50 (8%) 7/50 (14%) Mean 8.33%	3/50 (6%) 4/50 (8%) SD 4.27%	Total	0/50 (0%) 1/50 (2%) 1/250 (0.4%)	0/50 (0%) 0/50 (0%) Mean 0.4%	0/50 (0%) SD 0.89%
#Skin: Squamous Cell Papillon	na, Papilloma,	or Keratoacanthoma						
	, <b>,</b> ,	1/50 (2%)	4/50 (8%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	
		5/50 (10%)	7/50 (14%)	4/50 (8%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	24/300 (8%)	Mean 8%	SD 4%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin:								
Trichoepithelioma		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Trichoepithelioma								
Trichoepithelioma		1/50 (2%) 5/300 (1.67%)	0/50 (0%) Mean 1.67%	1/50 (2%) SD 2.34%		0/50 (0%) 2/250 (0.8%)	0/50 (0%)	2/50 (4%) SD 1.79%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 280 Report Date: 05/24/2022

			Male				Female	
≭Skin: Sebaceous Gland: Adenoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin: Sebaceous Gland: Carcinoma								
		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%)
Verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma or Adenoma								
		1/50 (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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (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 (00/)
	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Spleen: Hemangioma								
		0/43 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/50 (0%)	
O	Tatal	0/50 (0%)	0/49 (0%)	0/48 (0%)	<b>T</b> . ( . )	0/47 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/288 (0%)	Mean 0%	SD 0%	Total	0/245 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007 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: 281 Report Date: 05/24/2022

			Male				Female	
Spleen: Hemangiosarcoma								
		0/43 (0%)	0/50 (0%)	1/48 (2%)		0/48 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/48 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/288 (0.35%)	Mean 0.35%	SD 0.85%	Total	0/245 (0%)	Mean 0%	SD 0%
Spleen: Leiomyosarcoma								
-		0/43 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/48 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/288 (0%)	Mean 0%	SD 0%	Total	0/245 (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%)	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%	Total	0/250 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Lipoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

# Page: 282 Report Date: 05/24/2022

			Male				Female	
#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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Stomach, Forestomach: Squamous Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	
		1/50 (2%)	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%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%
#Stomach, Forestomach: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	
		1/50 (2%)	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%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%
#Stomach, Glandular: Leiomyosarcoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Version: Mar2007
Contract/Lab: All Laboratories
Species: RATS
Strain: F 344/N
Length of Study: CHRONIC

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*Thymus: Thymoma Benign 0/39 (0%) 0/49 (0%) 0/48 (0%) 1/48 (2%) 0/50 (0%) 1/49 (2%) 0/43 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 Overall Incidence Total 1/276 (0.36%) Mean 0.34% SD 0.83% Total 1/244 (0.41%) Mean 0.42% SD (0%) *Thymus: Thymoma Malignant 0/39 (0%) 0/49 (0%) 0/48 (0%) 0/48 (0%) 0/48 (0%) 0/50 (0%) 0/49 (0%) 0/43 (0%) 0/48 (0%) 0/48 (0%) 0/48 (0%) 0/48 (0%) 0/49 Overall Incidence Total 0/276 (0%) Mean 0% SD 0% Total 0/244 (0%) Mean 0% SD *Thymus: Thymoma: Benign, Malignant, NOS 0/39 (0%) 0/49 (0%) 0/48 (0%) 1/48 (2%) 0/50 (0%)	
41/50         (82%)         49/50         (98%)         45/50         (90%)           Overall Incidence         Total         271/300         (90.33%)         Mean 90.33%         SD         5.13%           "Thymus: Sarcoma           0/39         (0%)         0/49         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/48         (0%)         0/49         0%)         0/48         0%)         0/49         0%)         0/48         0%)         0/48         0%)         0/49         0%)         0/48         0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/49         0%)         0/48         0%)         0/49         0%)         0/48         0%)         0/48         0%)         0/48         0%)         0/48         0%)         0/48         0%)         0/48         0%)         0/48         0%)         0/48         0%)         0/49         0%)         0/48	
Doverall Incidence         Total         271/300         (90.33%)         Mean 90.33%         SD 5.13%           Thymus: Sarcoma         0/39         (0%)         0/49         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/44         (0%)         0/	
Thymus: Sarcoma         0/39 (0%) 0/49 (0%) 0/48 (0%)         0/48 (0%) 0/48 (0%)         0/48 (0%) 0/48 (0%)         0/48 (0%) 0/48 (0%)         0/48 (0%) 0/48 (0%)         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/49         0/50         0/6%)         0/48         0/50         0/6%)         0/48         0/50         0/6%)         0/48         0/50         0/6%)         0/48         0/50         0/6%)         0/48         0/48         0/48         0/6%)         0/48         0/48         0/48         0/48         0/48         0/48         0/48         0/48         0/48         0/48         0/48         0/48         0/48         0/48<	
1/49         (2%)         0/43         (0%)         0/48         (0%)         0/49         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         Nean 0%         SD           Thymoma Benign         0/39         (0%)         0/49         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)	
Deverall Incidence         Total         1/276         (0.36%)         Mean 0.34%         SD         0.83%         Total         0/244         (0%)         Mean 0%         SD           Thymus: Thymoma Benign         0/39         0%)         0/49         (0%)         0/48         (0%)         1/48         (2%)         0/50         (0%)           0/29         0%)         0/49         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/49         0/049 <t< td=""><td>(00()</td></t<>	(00()
Thymous: Thymoma Benign         0/39 (0%) 0/49 (0%) 0/48 (0%) 0/48 (0%) 1/48 (2%) 0/50 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/49 (0%) 0/48 (0%) 0/	(0%) 0%
Thymoma Benign         0/39         (0%)         0/49         (0%)         0/48         (0%)         1/48         (2%)         0/50         (0%)         0/49           Overall Incidence         Total         1/276         (0.36%)         Mean         0.34%         SD         0.83%         Total         1/244         (0.41%)         Mean         0.42%         SD         0           "Thymos:         Thymoma Malignant         0/39         (0%)         0/49         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/48         (0%)         0/48         (0%)         0/49         (0%)         0/48         (0%)         0/48         (0%)         0/49         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%	
1/49         (2%)         0/43         (0%)         0/48         (0%)         0/49         (0%)         0/48         (0%)         0/49           Overall Incidence         Total         1/276         (0.36%)         Mean         0.34%         SD         0.83%         Total         1/244         (0.41%)         Mean         0.42%         SD         0           'Thymus:         Thymoma Malignant         0/39         (0%)         0/49         (0%)         0/48         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/48         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/49         (0%)         0/48         (0%)         0/48         (0%)         0/48         (0%)         0/49         (0%)         0/44         (0%)         Mean         0%         SD         0%         NOT         NOT         NOT         NOT         NOT         NO	
Dverall Incidence         Total         1/276 (0.36%)         Mean 0.34%         SD 0.83%         Total         1/244 (0.41%)         Mean 0.42%         SD 0.83%           "Thymus: Thymoma Malignant         0/39 (0%)         0/49 (0%)         0/48 (0%)         0/48 (0%)         0/50 (0%)         0/49           0/49 (0%)         0/43 (0%)         0/48 (0%)         0/49 (0%)         0/48 (0%)         0/48 (0%)         0/49           Overall Incidence         Total         0/276 (0%)         Mean 0%         SD 0%         Total         0/244 (0%)         Mean 0%         SD           "Thymus: Thymoma: Benign, Malignant, NOS         0/39 (0%)         0/49 (0%)         0/48 (0%)         1/48 (2%)         0/50 (0%)	(0%)
Thymoma Malignant         0/39 (0%)         0/49 (0%)         0/48 (0%)         0/48 (0%)         0/50 (0%)         0/49         0/48         0/09         0/244         0/09         Mean         0%         D         0/244         0%         Mean         0%         D         0%         D         0%         0%         0%         1/48         2%         0/50         0%         0%         0%         0%	0.93%
0/49 (0%)         0/43 (0%)         0/48 (0%)         0/49 (0%)         0/48 (0%)         0/49           Dverall Incidence         Total         0/276 (0%)         Mean 0%         SD 0%         Total         0/244 (0%)         Mean 0%         SD           Thymus:           Thymoma: Benign, Malignant, NOS           0/39 (0%)         0/49 (0%)         0/48 (0%)         1/48 (2%)         0/50 (0%)	
Overall Incidence         Total         0/276 (0%)         Mean 0%         SD 0%         Total         0/244 (0%)         Mean 0%         SD           'Thymus:         Thymoma: Benign, Malignant, NOS         0/39 (0%)         0/49 (0%)         0/48 (0%)         1/48 (2%)         0/50 (0%)	(00)
Thymus: Thymoma: Benign, Malignant, NOS 0/39 (0%) 0/49 (0%) 0/48 (0%) 1/48 (2%) 0/50 (0%)	( )
Thymoma: Benign, Malignant, NOS         0/39 (0%)         0/49 (0%)         0/48 (0%)         1/48 (2%)         0/50 (0%)	· 0%
	(00())
1/49         (2%)         0/43         (0%)         0/48         (0%)         0/49 <th< td=""><td>(0%) 0.93%</td></th<>	(0%) 0.93%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 284 Report Date: 05/24/2022

			Male				Female	
Thyroid Gland: C-Cell: Adenoma								
		4/42 (10%)	3/50 (6%)	8/46 (17%)		6/45 (13%)	6/49 (12%)	
Overall Incidence	Total	6/50 (12%) 40/284 (14.08%)	10/49 (20%) Mean 14.08%	9/47 (19%) SD 5.78%	Total	6/50 (12%) 36/237 (15.19%)	6/46 (13%) Mean 15.23%	12/47 (26%) SD 5.78%
		· · · ·				( )		
Thyroid Gland: C-Cell: Carcinoma								
		2/42 (5%)	1/50 (2%)	1/46 (2%)		1/45 (2%)	1/49 (2%)	
		1/50 (2%)	1/49 (2%)	2/47 (4%)		0/50 (0%)	0/46 (0%)	1/47 (2%)
Overall Incidence	Total	8/284 (2.82%)	Mean 2.87%	SD 1.28%	Total	3/237 (1.27%)	Mean 1.28%	SD 1.17%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		6/42 (14%)	4/50 (8%)	9/46 (20%)		7/45 (16%)	7/49 (14%)	
		7/50 (14%)	11/49 (22%)	11/47 (23%)		6/50 (12%)	6/46 (13%)	13/47 (28%)
Overall Incidence	Total	48/284 (16.9%)	Mean 16.95%	SD 5.91%	Total	39/237 (16.46%)	Mean 16.51%	SD 6.37%
Thyroid Gland: Follicular Cell Adenoma								
		1/42 (2%)	2/50 (4%)	0/46 (0%)		0/45 (0%)	0/49 (0%)	0/47 (00/)
	<b>-</b>	1/50 (2%)	0/49 (0%)	1/47 (2%)	<b>T</b> ( )	0/50 (0%)	1/46 (2%)	0/47 (0%)
Overall Incidence	Total	5/284 (1.76%)	Mean 1.75%	SD 1.54%	Total	1/237 (0.42%)	Mean 0.43%	SD 0.97%
Thyroid Gland: Follicular Cell Carcinoma	:							
		0/42 (0%)	1/50 (2%)	0/46 (0%)		1/45 (2%)	0/49 (0%)	
		0/50 (0%)	0/49 (0%)	0/47 (0%)		0/50 (0%)	0/46 (0%)	1/47 (2%)
Overall Incidence	Total	1/284 (0.35%)	Mean 0.33%	SD 0.82%	Total	2/237 (0.84%)	Mean 0.87%	SD 1.19%

\*: Denominator is number of animals with tissues examined microscopically

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

#### Page: 285 Report Date: 05/24/2022

			Male				Female	
Thyroid Gland: Follicular Cel Carcinoma or Adenoma	l:							
		1/42 (2%)	3/50 (6%)	0/46 (0%)		1/45 (2%)	0/49 (0%)	
<b>O</b>	<b>T</b> . ( . )	1/50 (2%)	0/49 (0%)	1/47 (2%)	<b>T</b> - ( - 1	0/50 (0%)	1/46 (2%)	1/47 (2%)
Overall Incidence	Total	6/284 (2.11%)	Mean 2.08%	SD 2.2%	Total	3/237 (1.27%)	Mean 1.3%	SD 1.19%
≭Tissue NOS: Fibrosarcoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Tissue NOS: Leiomyoma								
		0/50 (0%)	0/50 (0%)	0/50 (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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
#Tissue NOS: Lipoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Tissue NOS: Paraganglioma								
		0/50 (0%)	0/50 (0%)	0/50 (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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (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: WATER

# Page: 286 Report Date: 05/24/2022

			Male				Female	
#Tissue NOS: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
						0/230 (078)		50 078
≮Tissue NOS: Schwannoma Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	- / />
	<b>T</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>T</b> ( )	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Tongue: Liposarcoma								
		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
≭Tongue: Squamous Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	- / />
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Tongue: Squamous Cell Carcinoma d	or Papillom	a Squamous						
	-	0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/250 (0.8%)	Mean 0.8%	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: WATER

# Page: 287 Report Date: 05/24/2022

			Male				Female	
≭Tongue: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (00()
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 1/250 (0.4%)	1/50 (2%) Mean 0.4%	0/50 (0%) SD 0.89%
Tooth: Odontogenic Tumor								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
	<b>T</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma								
		0/46 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	
	<b>T</b>	1/50 (2%)	0/50 (0%)	0/48 (0%)	<b>-</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/293 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
Urinary Bladder: Carcinoma or Papilloma								
		0/46 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	0/48 (0%)	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	Total	1/293 (0.34%)	Mean 0.33%	SD 0.82%	10tai	0/250 (0%)	wean 0%	50 0%
*Urinary Bladder: Leiomyosarcoma								
		0/46 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
Overell In siden as	Tatal	0/50 (0%)	0/50 (0%)	0/48 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/293 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

Overall Incidence         Total         1/293 (0.34%)         Mean 0.36%         SD 0.89%         Total         0/250 (0%)         Mean 0%         SD 0%           #Uterus: Adenoma	Version: Mar2007 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC			Т		blogy Data Ma ence for Selecte Route: ( Vehicle: \	ed Control	t <b>System</b> Animal Groups				Page: 288 Report Da	3 ate: 05/24/202	2
Papiliona         0/46         (0%)         0/50					Male		·				F	emale		
0/50         0/60         0/50         0/60         0/48         00/60         0/50         0/60         0/50         0/60         0/50         0/60         0/50         0/60         0/50         0/60         0/50         0/60         0/50         0/60         0/50         0/60         0/50         0/50         0/50	•													
Overall Incidence         Total         0/293 (0%)         Mean 0%         SD 0%         Total         0/250 (0%)         Mean 0%         SD 0%           "Urinary Bladder: Sarcoma           1/46 (2%)         0/50 (0%)         0/49 (0%)         0/50 (0%)			(	,	· · ·		· · ·			( )			0/50	(00/)
"Urinary Bladder: Sarcoma         1/46         (2%)         0/50         (0%)         0/49         (0%)         0/50         (0%)	Overall Incidence	Total	(	,	. ,		(0%)	Total		. ,				( )
0/50         0/0%         0/50         0/0%         0/48         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%         SD 0%         SD 0%         Total         0/250         0%         Mean 0%         SD 0%         SD 0%         Mean 0%         SD 0%	*Urinary Bladder:													
Overall Incidence         Total         1/293 (0.34%)         Mean 0.36%         SD 0.89%         Total         0/250 (0%)         Mean 0%         SD 0%           #Uterus: Adenoma         1/50 (2%) 0/50 (0%) 0/50 (0%)         0/50 (0%)			```	,	· · ·	0/49	· · ·			· · ·		· · ·		
#Uterus: Adenoma         1/50         (2%)         0/50         (0%)           0/50         (0%)         0/50         (0%)         0/50         (0%)           Overall Incidence         Total         1/250         (0.4%)         Mean         0.4%         SD         0.89%           #Uterus: Carcinoma         0/50         (0%)         0/50         (0%)         0/50         (0%)           Overall Incidence         Total         0/50         (0%)         0/50         (0%)           Overall Incidence         Total         0/250         (0%)         0/50         (0%)           Experiment         0/50         0(%)         Mean         0%         SD         0%           Overall Incidence         Total         0/250         (0%)         Mean         0%         SD         0%           #Uterus:         Deciduoma Benign         0/50         (0%)         0/50         (0%)         0%         0%			,	,	. ,		. ,			. ,				(0%)
Adenoma       1/50       (2%)       0/50       (0%)         0/50       (0%)       0/50       (0%)       0/50       (0%)         Overall Incidence       Total       1/250       (0.4%)       Mean       0.4%       SD       0.89%         #Uterus:       0/50       (0%)       0/50       (0%)       0/50       (0%)       0/50       (0%)         Overall Incidence       10/50       (0%)       0/50       (0%)       0/50       (0%)       0/50       (0%)         Overall Incidence       Total       0/250       (0%)       Mean       0%       SD       0%         Wuterus:       Deciduoma Benign       0/50       (0%)       0/50       (0%)       0/50       (0%)			( )							· · ·				
Overall Incidence         0/50         (0%)         0/50         (0%)         0/50         (0%)         0/50         (0%)         0/50         (0%)         0/50         (0%)         Nean         0.4%         SD         0.89%           #Uterus: Carcinoma         0/50         (0%)         0/50         0%)         0/50         0%)         0/50         0%)         0														
Overall Incidence         Total         1/250 (0.4%)         Mean 0.4%         SD 0.89%           #Uterus: Carcinoma         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         0/250 (0%)         Mean 0%         SD 0%           #Uterus: Deciduoma Benign         0/50 (0%)         0/50 (0%)         0/50 (0%)										· · ·		· · ·		()
#Uterus: Carcinoma 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% SD 0% #Uterus: Deciduoma Benign 0/50 (0%) 0/50 (0%)										. ,		. ,		(0%)
Carcinoma         0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)         0/50 (0%)								l otal	1/250 (	0.4%)	Mear	ו 0.4%	SD 0.8	9%
0/50 (0%) 0/50 (0%) 0/50 (0%) Overall Incidence Total 0/250 (0%) Mean 0% SD 0% #Uterus: Deciduoma Benign 0/50 (0%) 0/50 (0%)														
Overall Incidence         Total         0/250 (0%)         Mean         0%         SD         0%           #Uterus:         Deciduoma Benign         0/50 (0%)         0/50 (0%)         0/50 (0%)         0/50 (0%)         0/50 (0%)											0/50			
#Uterus: Deciduoma Benign 0/50 (0%) 0/50 (0%)														(0%)
#Uterus: Deciduoma Benign 0/50 (0%) 0/50 (0%)										· /				
0/50 (0%) 0/50 (0%) 0/50 (0%)													0/50	(00()
Overall Incidence Total 0/250 (0%) Mean 0% SD 0%	Overall Incidence							Total						(0%) %

/ersion: Mar2007 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	Tumor Incidence for Selected Control Animal Groups Route: ORAL					
	Male		Female				
fUterus:							
Hemangioma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%			
Uterus: Hemangiosarcoma							
nemangiosarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)			
verall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%			
Uterus: Leiomyoma							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)			
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%			
Jterus:							
Leiomyosarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)			
verall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%			
Uterus: Polyp Stromal							
		8/50 (16%) 4/50 (8%)	9/50 (18%) 13/50 (26%)	9/50 (18%)			
overall Incidence	Total	43/250 (17.2%)	Mean 17.2%	SD 6.42%			

Version: Mar2007 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: 290 Report Da	) ate: 05/24/2022	
	Male		Female	
#Uterus: Sarcoma Stromal				
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
#Uterus: Sarcoma Stromal or Polyp Stromal				
		9/50 (18%)	9/50 (18%)	
Overall Incidence	Total	4/50 (8%) 45/250 (18%)	13/50 (26%) Mean 18%	10/50 (20%) SD 6.48%
#Uterus:				
Schwannoma Malignant				
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Vagina:				
Polyp		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%
#Vagina: Sarcoma				
		0/50 (0%)	0/50 (0%)	- / / /
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: Mar2007 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: 291 Report Date: 05/24/2022

			Male				Female	
≭Zymbal's Gland: Adenoma								
		0/50 (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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/250 (0%)	Mean 0%	SD 0%
Carcinoma Overall Incidence	Total	3/50 (6%) 0/50 (0%) 5/300 (1.67%)	1/50 (2%) 0/50 (0%) Mean 1.67%	1/50 (2%) 0/50 (0%) SD 2.34%	Total	0/50 (0%) 1/50 (2%) 1/250 (0.4%)	0/50 (0%) 0/50 (0%) Mean 0.4%	0/50 (0%) SD 0.89%
#Zymbal's Gland: Carcinoma or Adenoma								
		3/50 (6%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/300 (2%)	Mean 2%	SD 2.19%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

\*: Denominator is number of animals with tissues examined microscopically

## Version: Mar2007 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		
Southern Research Institute	059302007	04/24/00	729	50(1)	20(670)	484.2	Diisopropylcarbodiimide
					Female		
Southern Research Institute	059302007	04/24/00	731	50(1)	30(672)	319.5	Diisopropylcarbodiimide

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			<b>Toxicc</b> Tumor Incide	Page: 293 Report Dat	<b>e:</b> 05/24/2022			
			Male				Female	
#All Organs: Benign Tumors Overall Incidence	Total	47/50 (94%) 47/50 (94%)	Mean 94%	SD 0%	Total	44/50 (88%) 44/50 (88%)	Mean 88%	SD 0%
#All Organs: Malignant Tumors		34/50 (68%)				22/50 (44%)		
Overall Incidence	Total	34/50 (68%)	Mean 68%	SD 0%	Total	22/50 (44%)	Mean 44%	SD 0%
#All Organs: Malignant and Benign Tumc Overall Incidence		50/50 (100%) 50/50 (100%)	Mean 100%	SD 0%	Total	48/50 (96%) 48/50 (96%)	Mean 96%	SD 0%
≭All Organs: 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%
#All Organs: 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%
#All Organs: Hemangiosarcoma or Hema		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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	Toxicology Data Management System           s         Tumor Incidence for Selected Control Animal Groups           Route: SKIN         Vehicle: ETHANOL						Page: 294 Report Dat	<b>e:</b> 05/24/2022
			Male				Female	
#All Organs: Histiocytic 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%
#All Organs:								
Leukemia: Lymphocytic, Me	onocytic, Mo	•	ntiated			9/50 (18%)		
Overall Incidence	Total	13/50 (26%)	Mean 26%	SD 0%	Total	9/50 (18%) 9/50 (18%)	Mean 18%	SD 0%
#All Organs: Malignant Lymphoma: Histi Overall Incidence		phocytic, Mixed, NOS, o 2/50 (4%) 2/50 (4%)			Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: 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%
#All Organs: Mesothelioma: Benign, Mal	ignant, NOS	1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Malignant		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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			<b>Toxico</b> Tumor Incide	Page: 295 Report Dat	<b>e:</b> 05/24/2022			
			Male			Female		
#All Organs: Osteoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma		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 or Osteoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Adrenal Cortex: Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%
	10tai	0/30 (0%)		30 0%	10tai	3/30 (0%)		50 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%
*Adrenal Medulla: Ganglioneuroma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratori Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic Tumor Incide		Page: 296 Report Dat	ae: 05/24/2022		
			Male			Female		
*Adrenal Medulla: Hemangioma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Ben		3/50 (6%)				0/49 (0%)		
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Con Overall Incidence		0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Mali		4/50 (8%)				0/49 (0%)		
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Ber	nign, Complex,	Malignant, NOS 6/50 (12%)				0/49 (0%)		
Overall Incidence	Total	6/50 (12%)	Mean 12%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
#Blood Vessel: Osteosarcoma		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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incide		Page: 297 Report Dat	<b>e:</b> 05/24/2022		
			Male				Female	
#Bone: Chondrosarcoma		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 Chond		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%)		
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		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 or 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%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			<b>Toxic</b> e Tumor Incide		Page: 298 Report Dat	<b>:e:</b> 05/24/2022		
			Male			Female		
*Brain: Astrocytoma Malignant		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	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: Glioma 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%
*Brain: Granular Cell Tumor Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 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%
*Brain: Meningioma 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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			<b>Toxic</b> Tumor Incide	Page: 299 Report Dat	<b>e:</b> 05/24/2022			
			Male				Female	
*Brain: Meningioma: Benign, Malig	nant, NOS	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 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 Overall Incidence		0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma, Glioma	, or Astrocyt	toma 1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Brain: 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%
*Clitoral/Preputial Gland: Adenoma		1/50 (2%)				2/50 (4%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic Tumor Incide		Page: 300 Report Date: 05/24/2022			
			Male		Female			
*Clitoral/Preputial Gland: Carcinoma		1/50 (2%)	2/50 (4%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
*Clitoral/Preputial Gland: Carcinoma or Adenoma		2/50 (4%)				4/50 (8%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	4/50 (8%)	Mean 8%	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		0/50 (0%)	Maan 00/	CD 00/	Totol	0/50 (0%)	Maga 00/	SD 0%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: 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%
#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%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 301 Report Date: 05/24/ Female					Page: 301 Report Date: 05/24/2022	
			Male			Female           0/50 (0%)           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	( )	Mean 0%	SD 0%					
#Eye: Amelanotic Melanoma, Ber		0/50 (0%)											
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%					
#Eye: Melanoma Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	( )	Mean 0%	SD 0%					
#Eye: Schwannoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	SD 0%					
#Harderian Gland: Adenoma		. ,											
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)							
#Harderian 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%					

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 302 Report Dat	e: 05/24/2022	
			Male				Female		
#Harderian Gland: 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%	
*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%	
*Heart: Schwannoma Malignant Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
#Intestine Large: Colon/Rectu 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%	
#Intestine Large: Colon/Rectu Carcinoma									
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 Large: Colon/Rectu 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%	

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 303 Report Date: 05/24/2022 Female				
			Male		N         Female           Total         0/50 (0%)         Mean 0%         SD 0%           Total         0/50 (0%)         Mean 0%         SD 0%						
#Intestine Large: Colon/Rectu Leiomyosarcoma	m:	0/50 (0%)				0/50 (09/)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	· · ·	Mean 0%	SD 0%			
#Intestine Large: Colon/Rectu Polyp Adenomatous						0/50 (0%)					
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	( )	Mean 0%	SD 0%			
#Intestine Small: Jejunum: Carcinoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
#Intestine Small: Jejunum: Leiomyoma		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
#Intestine Small: Jejunum: 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%			
#Intestine Small: Site Unspeci Carcinoma	fied:	0/50 (09/)				0/50 (0%)					
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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme nce for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 304         Report Date: 05/24/2022         Female         Mean 0%       SD 0%         Mean 0%       SD 0%			
			Male				Female			
#Intestine Small: Site Unspe Carcinoma or Adenoma	cified:	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 Unspe Leiomyoma										
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)				
#Intestine Small: Site Unspe 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%		
Islets, Pancreatic: Adenoma		5/50 (10%)				0/50 (0%)				
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
Islets, Pancreatic: Carcinoma		2/50 (4%)				0/50 (0%)				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
'Islets, Pancreatic: Carcinoma or Adenoma										
Overall Incidence	Total	7/50 (14%) 7/50 (14%)	Mean 14%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Cont Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 305 Report Date: 05/24/2022				
			Male				Female				
*Kidney: Pelvis and Transition Carcinoma	nal Epitheliu										
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 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						0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*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		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: Mar2007 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: 306 Report Date: 05/24/2022		
			Male				Female			
*Kidney: Renal Tubule: 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%		
		0/30 (078)				0/30 (078)				
*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: Liposarcoma		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: Nephroblastoma		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: 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%		
*Kidney: Renal Tubule: Stromal Nephroma		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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 307 Report Date: 05/24/202	
			Male				Female	
*Liver: Cholangiocarcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: 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%
*Liver: Hepatocellular Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	6/50 (12%) 6/50 (12%)	Mean 12%	SD 0%
*Liver: Hepatocellular Carcinoma 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 Carcinoma o	r Hepatobla	stoma 0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Carcinoma o		lular 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%
*: Denominator is number of animals	with tissues e							

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 308 Report Date: 05/24/2022				
			Male				Female				
*Liver: Hepatocellular Carcinoma	, Hepatocellul	ar Adenoma, or Hepatob 0/50 (0%)	lastoma			6/50 (12%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	6/50 (12%)	Mean 12%	SD 0%			
*Lung: Alveolar/Bronchiolar Ader		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Lung: Alveolar/Bronchiolar Carc Overall Incidence	<b>inoma</b> Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Lung: Alveolar/Bronchiolar Carc						0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Lung: 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%			
*Lung: 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%			

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 309 Report Date				
			Male				Female				
*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, Mesenteric: 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%			
#Mammary Gland: 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%			
		0/00 (070)									
#Mammary Gland: Carcinoma		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 or 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: Fibroadenoma		0/50 (0%)				12/50 (24%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	12/50 (24%)	Mean 24%	SD 0%			

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		e: 05/24/2022	
			Male				12/50 (24%) 2/50 (24%) Mean 24% SD 0% 14/50 (28%) 4/50 (28%) Mean 28% SD 0% 0/50 (0%) Mean 0% SD 0% 0/50 (0%)	
#Mammary Gland: Fibroma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma c		0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	12/50 (24%)		
#Mammary Gland: Fibroma, Fibroadenoma, ( Overall Incidence		Adenoma 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total			
#Mesentery: Fibrosarcoma Overall Incidence	Tetel	0/50 (0%)			Tatal	· · ·	M 00/	CD 00/
#Mesentery: Hemangiosarcoma	Total	0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	50 0%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		
	••••••							
		0/50 (0%)				0/50 (0%)		

Version: Mar2007 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: 311 Report Date: 05/24/2022 Female				
			Male         Femal           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%           /50         (0%)         Mean 0%         SD 0%         Total         0/50         (0%)         Mean 0%				Female	Female			
#Mesentery: Liposarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Moon 0%	SD 0%	Total	· · ·	Moon 0%	SD 0%			
	1 Ulai	0/30 (076)				0/50 (0%)		0%			
#Mesentery: Osteosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)		SD 0%	Total		Mean 0%	SD 0%			
#Mesentery: Rhabdomyosarcoma Overall Incidence	Total			SD 0%	Total	· · /	Mean 0%	SD 0%			
*Nose: Adenoma		. ,		CD 00/		· · ·					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	l otal	0/50 (0%)	Mean U%	SD 0%			
*Nose: Chondroma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%			
*Nose: 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%			

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 312         Report Date: 05/24/2022         Female         Mean 0%       SD 0%         Mean 4%       SD 0%         Mean 2%       SD 0%			
			Male				Report Date: 05/24/2022         Female         (0%)       Mean 0%       SD 0%         (4%)       Mean 4%       SD 0%         (2%)       Mean 2%       SD 0%         (6%)       Mean 6%       SD 0%         (2%)       Mean 6%       SD 0%			
*Nose: Squamous Cell Carcinoma										
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Oral Cavity (Oral Mucosa, To Papilloma Squamous or Pap	ngue, Phary	ynx, Tooth, Gingiva):								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%		
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma		ynx, Tooth, Gingiva):								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)				
<sup>‡</sup> Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma,	ngue, Phary	ynx, Tooth, Gingiva):								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%		
≇Oral Mucosa: Squamous Cell Carcinoma		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
<sup>≇</sup> Oral Mucosa: 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%		

Version: Mar2007 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: 313 Report Dat	e: 05/24/2022
	Male		Female	
*Ovary: Cystadenoma				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor Benign				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor Malignant				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS		0/50 (0)()		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa-Theca Tumor Benign				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa-Theca Tumor Malignant				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*: Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals percensied		·····		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Cont Route: SKIN Vehicle: ETHANO	rol Animal Groups		Page: 314 Report Dat	Date: 05/24/2022 SD 0% SD 0%		
			Male				Female           0/50 (0%)         Mean 0%         SD 0%           0/50 (0%)         Mean 0%         SD 0%           0/50 (0%)         Mean 0%         SD 0%           0/50 (0%)         Mean 0%         SD 0%			
*Ovary: Sarcoma										
Overall Incidence					Total	( )	Mean 0%	SD 0%		
*Ovary: Thecoma Malignant										
Overall Incidence					Total	( )	Mean 0%	SD 0%		
*Pancreas: Adenoma		0/50 (00/)				0/50 (00/)				
Overall Incidence	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	Total	0/50 (0%)				
Pancreas: Carcinoma		0/50 (0%)								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	( )	Mean 0%	SD 0%		
Pancreas: Carcinoma or Adenoma						- ()				
Overall Incidence	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	Total	( )	Mean 0%	SD 0%		
*Pancreas: Mixed 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%		

Version: Mar2007 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: 315 Report Date: 05/24/2022		
			Male			Report Date: 05/24/2022         Female         0%)       Mean 0%       SD 0%         0%)       Mean 0%       SD 0%		
*Parathyroid Gland: Adenoma		0/49 (0%)				0/45 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/45 (0%)	Mean 0%	SD 0%
#Peripheral Nerve: Sarcoma		0/50 (0%)						
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Peripheral Nerve: 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%
≮Peripheral Nerve: Schwannoma: Benign, M		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Dista Adenoma								
Overall Incidence	Total	29/50 (58%) 29/50 (58%)	Mean 58%	SD 0%	Total	33/50 (66%) 33/50 (66%)		
Pituitary Gland: Pars Dista Carcinoma								
		5/50 (10%) 5/50 (10%)				3/50 (6%)		

Version: Mar2007 Contract/Lab: All Laborator 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: 316           s         Report Date: 05/24/2022						
			Male				Female         2%)       Mean 72%       SD 0%         0%)       Mean 0%       SD 0%         0%)       Mean 0%       SD 0%					
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 34/50 (68%) 36/50 (72%)												
Overall Incidence	Total	34/50 (68%)	Mean 68%	SD 0%	Total	36/50 (72%)	Mean 72%	SD 0%				
*Pituitary Gland: Pars Inter Adenoma						0/50 /00/						
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
*Pituitary Gland: Pars Inter Carcinoma												
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
Pituitary Gland: Pars Inter Carcinoma or Adenoma		3/50 (6%)				0/50 (0%)						
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
'Prostate: Adenoma		1/50 (2%)										
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%								
*Prostate: Carcinoma or Adenoma												
		1/50 (2%)										

Version: Mar2007 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: 317 Report Date: 05/24/2022 Female				
			Male         0/50 (0%)           Mean 2.04%         SD 0%         Total         0/50 (0%)           Mean 0%         SD 0%         Total         0/50 (0%)				Female				
*Salivary Glands: Sarcoma Overall Incidence	Total	1/49 (2%) 1/49 (2.04%)	Mean 2.04%	SD 0%	Total	, ,	Mean 0%	SD 0%			
*Salivary Glands: Schwannoma Malignant		0/49 (0%)				0/50 (0%)					
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Skeletal Muscle: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	( )	Mean 0%	SD 0%			
#Skeletal Muscle: Hemangioma		0/50 (0%)				( )					
Overall Incidence	Total	0/50 (0%)		SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)				, ,					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Skeletal Muscle: Lipoma		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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 318 Report Dat	e: 05/24/2022
			Male				Female	
#Skeletal Muscle: Rhabdomyosarcoma 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)		
#Skeletal Muscle: Rhabdomyosarcoma or Rh	-	0/50 (0%)	Mara 0%		<b>T</b> . (-)	0/50 (0%)	Mara 20/	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Sarcoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal 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%
#Skin: Basal Cell Adenoma or Bas						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, Basos								
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 animal								

Version: Mar2007 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: 319 Report Date: 05/24/2022		
			Male				-	
#Skin: Basal Cell Carcinoma								
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:								
Basal Cell Carcinoma or Ba	asosquamou	s Tumor (malignant or N 0/50 (0%)	OS)			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		SD 0%
#Skin: Basal Cell Carcinoma, Basa NOS), or Trichoepithelioma	al Cell Adenc	oma, Basosquamous Tur 0/50 (0%)	mor (benign, maligna	ant or		0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal or Sq. Cell Carcinom Adenoma, Papilloma, Sq Pa Overall Incidence	a, Carcinoma apilloma, Kei Total	a, Basosq. Tumor (M or I	3), Basal Cell Adeno bithelioma Mean 8%		Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Skin: Fibroma		5/50 (10%)				0/50 (0%)		
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Fibroma, Fibrosarcoma, Sa	rcoma, Myxo	oma, Myxosarcoma, or F 5/50 (10%)	ibrous Histiocytoma			0/50 (0%)		
		5/50 (10%)		SD 0%		0/50 (0%)		

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ence for Selected Contr Route: SKIN	ol Animal Groups		Page: 320 Report Dat	Report Date: 05/24/2022 Female Mean 0% SD 0%			
			Vehicle: ETHANOL           Male         0/50         0/50         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0           s Histiocytoma         0/50         0%         0/50         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0           50         (0%)         Mean 0%         SD 0%         Total         0/50         0				Female				
#Skin: Fibrosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)				0/50 (0%)					
#Skin: Fibrosarcoma, Sarcoma, My	xosarcoma	, or Fibrous Histiocyton 0/50 (0%)	na			0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Skin: Fibrous Histiocytoma 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: Hemangioma											
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	0/50 (0%)	Mean 0%	SD 0%			
#Skin: Keratoacanthoma		3/50 (6%)				1/50 (2%)					
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%			

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	rol Animal Groups		Page: 321 Report Da	Page: 321         Report Date: 05/24/2022         Female         Mean 0%       SD 0%         Mean 0%       SD 0%         Mean 0%       SD 0%         Mean 0%       SD 0%         Mean 0%       SD 0%			
			Male			Female         (0%)       Mean 0%       SD 0%         (4%)       Kean 0%       SD 0%					
#Skin: 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%			
#Skin: Liposarcoma		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: Neural Crest Tumor		0/50 (0%)				( )					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Skin: Neurofibroma or Schwanno	ma 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%			
#Skin: Neurofibrosarcoma or Schw						2/50 (4%)					
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%			
≮Skin: Neurofibrosarcoma, Neurofi		Schwannoma (benign, ma 2/50 (4%)				2/50 (4%)					
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%			
*: Denominator is number of animals #: Denominator is number of animals		xamined microscopically									

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 322 Report Dat	e: 05/24/2022
			Male				Fage. 322         Report Date: 05/24/2022         Female         Mean 0%       SD 0%         Mean 0%       SD 0%         Mean 0%       SD 0%         Mean 4%       SD 0%         Mean 0%       SD 0%         Mean 4%       SD 0%	
#Skin: Osteosarcoma		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: 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	Tetel	0/50 (0%)		CD 0%	Tetel	0/50 (0%)	M 00/	CD 00/
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	wean 0%	50 0%
#Skin: Schwannoma Malignant Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	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				nt or NOS),		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: Mar2007 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: 323         Report Date: 05/24/2022         Female         Mean 0%       SD 0%         Mean 0%       SD 0%			
			Male				Female			
#Skin: 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%		
#Skin: Squamous Cell Papilloma o		1/50 (2%)				0/50 (0%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Papilloma, Overall Incidence	<b>Papilloma, S</b> Total	quamous Cell Carcinom 4/50 (8%) 4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		
#Skin: Squamous Cell Papilloma,						1/50 (2%)				
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2%	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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 324         Report Date: 05/24/2022         Female         Mean 0%       SD 0%         Mean 0%       SD 0%				
			Male				Report Date: 05/24/2022         Female       6)       Mean 0%       SD       0%         %)       Mean 0%       SD       0%				
#Skin: Sebaceous Gland: 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%			
#Skin: Sebaceous Gland: Carcinoma or Adenoma		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)					
#Spinal Cord: Astrocytoma Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)					
*Spleen: Hemangioma 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: Hemangiosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)					
*Spleen: 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: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 325 Report Dat	e: 05/24/2022
			Male				Female	
#Stomach, Forestomach: 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%
#Stomach, Forestomach: 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%
#Stomach, Forestomach: Schwannoma Malignant	<b>-</b>	0/50 (0%)				0/50 (0%)		25.9%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	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	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: 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%

Version: Mar2007 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: 326 Report Date: 05/24/2022		
			Male				Female		
#Stomach, Glandular: Leiomyosarcoma	<b>-</b>	0/50 (0%)		05.00%	<b>T</b>	0/50 (0%)		25. 22	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Stomach, Glandular: 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%	
*Testes: Adenoma Overall Incidence	Total	36/50 (72%) 36/50 (72%)	Mean 72%	SD 0%					
*Thymus: Sarcoma		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Thymus: Thymoma Benign		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Thymus: Thymoma Malignant		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 327 Report Date	e: 05/24/2022
			Male				Female	
*Thymus: Thymoma: Benign, Malignar	nt, NOS	0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma		5/50 (10%)				3/50 (6%)		
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma		5/50 (10%)				2/50 (4%)		
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		10/50 (20%)				5/50 (10%)		
Overall Incidence	Total	10/50 (20%)	Mean 20%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%
*Thyroid Gland: Follicular Cell 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%
*Thyroid Gland: Follicular Cell Carcinoma		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	5			ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANOI	rol Animal Groups		Page: 328 Report Dat	<b>te:</b> 05/24/2022
			Male				Female	
*Thyroid Gland: Follicular C Carcinoma or Adenoma	ell:	1/50 (2%)				1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Tissue NOS: 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%
#Tissue NOS: 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%
#Tissue NOS: Lipoma		0/50 (0%)		05.0%		0/50 (0%)		25. 27
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#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%
#Tissue NOS: 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%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 329 Report Dat	<b>:e:</b> 05/24/2022
			Male				Female	
#Tissue NOS: 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%
#Tongue: Liposarcoma		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 Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma c Overall Incidence	<b>r Papillom</b> a Total	a Squamous 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%
#Tongue: Squamous Cell Papilloma		0/50 (0%)				2/50 (4%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
#Tooth: Odontogenic 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%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 330 Report Dat	<b>e:</b> 05/24/2022
			Male				Female	
*Urinary Bladder: 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%
*Urinary Bladder: Carcinoma or 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%
*Urinary Bladder: 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%
*Urinary Bladder: 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%
*Urinary Bladder: 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%
#Uterus: Adenoma						0/50 (0%)		
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Mar2007 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N					
Length of Study: CHRONIC					
	Male			Female	
#Uterus:					
Carcinoma			0/50 (0%)		
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Deciduoma Benign			0/50 (0%)		
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Hemangioma			0/50 (0%)		
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Hemangiosarcoma					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Leiomyoma					
Overall Incidence		Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Uterus:					
Leiomyosarcoma					
			0/50 (0%)		<b>65</b> <i>au</i> /
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%

Version: Mar2007 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	s	Page: 332 Report Dat	e: 05/24/2022
	Male		Female	
#Uterus:				
Polyp Stromal		10/50 (20%)		
Overall Incidence	Total	10/50 (20%)	Mean 20%	SD 0%
#Uterus:				
Sarcoma Stromal		0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus:				
Sarcoma Stromal or Polyp Stromal				
Overall Incidence	Total	10/50 (20%) 10/50 (20%)	Mean 20%	SD 0%
#Uterus:				
Schwannoma Malignant				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Vagina:				
Polyp				
		0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%
#Vagina:				
Sarcoma				
	<b>T</b> . (1.1)	0/50 (0%)	Maar 00/	CD 00/
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%
*: Denominator is number of animals with tissues examined microso	copically			

Version: Mar2007 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: 05/24/2022		
			Male				Female		
#Zymbal's 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%	
#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									
		0/50 (0%)				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 animal #: Denominator is number of animal	s with tissues ex	· · · · · · · · · · · · · · · · · · ·		0%	I Ulai	0/30 (0%)		0% م	