



National Toxicology Program
Department of Health and Human Services

NTP Historical Controls Report

By Route and Vehicle

F 344/N RATS

2006

REPORT DESCRIPTION

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			Female		
M1	M2	M3	F1	F2	F3
M4	M5		F4	F5	

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

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

Table of Contents

Route	Vehicle	Page Number
GAVAGE	CORN OIL	4
GAVAGE	METHYLCELLULOSE	47
GAVAGE	WATER	90
INHALATION	AIR	142
ORAL	FEED	206
ORAL	WATER	270
SKIN	ETHANOL	322

Version: 2006

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: 4

Report Date: 06/03/2022

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
Female							
Southern Research Institute	059302306	07/11/97	732	50(5)	37(699)	314.6	2,4-Hexadienal

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

Version: 2006

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: 5

Report Date: 06/03/2022

		Male			Female		
#All Organs:							
Benign Tumors							
		48/50 (96%)			45/50 (90%)		
Overall Incidence	Total	48/50 (96%)	Mean 96%	SD 0%	Total	45/50 (90%)	Mean 90% SD 0%
.....							
#All Organs:							
Malignant Tumors							
		21/50 (42%)			18/50 (36%)		
Overall Incidence	Total	21/50 (42%)	Mean 42%	SD 0%	Total	18/50 (36%)	Mean 36% SD 0%
.....							
#All Organs:							
Malignant and Benign Tumors							
		50/50 (100%)			48/50 (96%)		
Overall Incidence	Total	50/50 (100%)	Mean 100%	SD 0%	Total	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 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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#All Organs:								
Histiocytic Sarcoma								
		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:								
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated								
		11/50 (22%)			10/50 (20%)			
Overall Incidence	Total	11/50 (22%)	Mean 22%	SD 0%	Total	10/50 (20%)	Mean 20%	SD 0%
.....								
#All Organs:								
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type								
		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								
		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, Malignant, NOS								
		4/50 (8%)			1/50 (2%)			
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
#All Organs:								
Mesothelioma: Malignant								
		4/50 (8%)			1/50 (2%)			
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#All Organs:									
Osteoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#All Organs:									
Osteosarcoma									
		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									
		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 Cortex:									
Adenoma									
		1/50	(2%)			1/50	(2%)		
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
*Adrenal Cortex:									
Carcinoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Adrenal Medulla:									
Ganglioneuroma									
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
*Adrenal Medulla:								
Pheochromocytoma Benign								
		7/50 (14%)			1/50 (2%)			
Overall Incidence	Total	7/50 (14%)	Mean 14%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
*Adrenal Medulla:								
Pheochromocytoma Complex								
		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 Malignant								
		0/50 (0%)			1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
*Adrenal Medulla:								
Pheochromocytoma: Benign, Complex, Malignant, NOS								
		7/50 (14%)			2/50 (4%)			
Overall Incidence	Total	7/50 (14%)	Mean 14%	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%
.....								
#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%
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Bone:								
Osteoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Bone:								
Osteosarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(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%)
.....								
*Brain:								
Astrocytoma Malignant								
		0/50	(0%)			2/50	(4%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	2/50	(4%)
.....								
*Brain:								
Glioma Malignant								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(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%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Brain:									
Granular Cell Tumor 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:									
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%
.....									
*Brain:									
Meningioma: Benign, Malignant, 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 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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
*Brain:								
Oligodendroglioma, Glioma, or Astrocytoma								
		0/50	(0%)			2/50	(4%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	2/50	(4%)
							Mean 4%	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								
		1/49	(2%)			5/50	(10%)	
Overall Incidence	Total	1/49	(2.04%)	Mean 2.04%	SD 0%	Total	5/50	(10%)
							Mean 10%	SD 0%
.....								
*Clitoral/Preputial Gland:								
Carcinoma								
		3/49	(6%)			2/50	(4%)	
Overall Incidence	Total	3/49	(6.12%)	Mean 6.12%	SD 0%	Total	2/50	(4%)
							Mean 4%	SD 0%
.....								
*Clitoral/Preputial Gland:								
Carcinoma or Adenoma								
		4/49	(8%)			7/50	(14%)	
Overall Incidence	Total	4/49	(8.16%)	Mean 8.16%	SD 0%	Total	7/50	(14%)
							Mean 14%	SD 0%
.....								
*Clitoral/Preputial Gland:								
Fibrosarcoma								
		0/49	(0%)			0/50	(0%)	
Overall Incidence	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Clitoral/Preputial Gland:									
Hemangiosarcoma									
		0/49	(0%)			0/50	(0%)		
Overall Incidence	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Clitoral/Preputial Gland:									
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%
.....									
*Clitoral/Preputial Gland:									
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%
.....									
*Clitoral/Preputial Gland:									
Squamous Cell Papilloma									
		0/49	(0%)			0/50	(0%)		
Overall Incidence	Total	0/49	(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%
.....									
#Eye:									
Amelanotic Melanoma, 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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Eye:									
Melanoma 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%
.....									
#Eye:									
Melanoma 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%
.....									
#Harderian 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%
.....									
#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%
.....									
#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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Heart:							
Schwannoma Malignant							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
#Intestine Large: Colon/Rectum:							
Adenoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
#Intestine Large: Colon/Rectum:							
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 Large: Colon/Rectum:							
Carcinoma or Adenoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
#Intestine Large: Colon/Rectum:							
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%
.....							
#Intestine Large: Colon/Rectum:							
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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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: 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%
.....									
#Intestine Small: Site Unspecified: 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: Site Unspecified: Carcinoma or Adenoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Intestine Small: Site Unspecified: 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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 16
 Report Date: 06/03/2022

		Male			Female		
#Intestine Small: Site Unspecified:							
Sarcoma							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
*Islets, Pancreatic:							
Adenoma							
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2% SD 0%
.....							
*Islets, Pancreatic:							
Carcinoma							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
*Islets, Pancreatic:							
Carcinoma or Adenoma							
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2% SD 0%
.....							
*Kidney: Pelvis and Transitional Epithelium:							
Carcinoma							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
*Kidney: Pelvis and Transitional Epithelium:							
Carcinoma or Adenoma							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

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

		Male				Female			
*Kidney: Pelvis and Transitional Epithelium:									
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%
.....									
*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%)			1/50	(2%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
*Kidney: Renal Tubule:									
Carcinoma or Adenoma									
		0/50	(0%)			1/50	(2%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
*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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*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%
.....									
*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									
		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									
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
*Liver:								
Hepatocellular Carcinoma or Hepatoblastoma								
		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 or Hepatocellular 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%
.....								
*Liver:								
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma								
		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:								
Alveolar/Bronchiolar Adenoma								
		1/50	(2%)			3/50	(6%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....								
*Lung:								
Alveolar/Bronchiolar 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%
.....								
*Lung:								
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma								
		1/50	(2%)			3/50	(6%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Lung:									
 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%
.....									
*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%
.....									
*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:									
 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:									
 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%
.....									
#Lymph Node, Mesenteric:									
 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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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									
		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:									
Carcinoma									
		2/50	(4%)			2/50	(4%)		
Overall Incidence	Total	2/50	(4%)	Mean 4%	SD 0%	Total	2/50	(4%)	Mean 4% SD 0%
.....									
#Mammary Gland:									
Carcinoma or Adenoma									
		2/50	(4%)			3/50	(6%)		
Overall Incidence	Total	2/50	(4%)	Mean 4%	SD 0%	Total	3/50	(6%)	Mean 6% SD 0%
.....									
#Mammary Gland:									
Fibroadenoma									
		3/50	(6%)			22/50	(44%)		
Overall Incidence	Total	3/50	(6%)	Mean 6%	SD 0%	Total	22/50	(44%)	Mean 44% SD 0%
.....									
#Mammary Gland:									
Fibroma									
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Mammary Gland:								
Fibroma, Fibroadenoma or Adenoma								
		3/50	(6%)			23/50	(46%)	
Overall Incidence	Total	3/50	(6%)	Mean 6%	SD 0%	Total	23/50	(46%)
								Mean 46%
								SD 0%
.....								
#Mammary Gland:								
Fibroma, Fibroadenoma, Carcinoma, or Adenoma								
		5/50	(10%)			24/50	(48%)	
Overall Incidence	Total	5/50	(10%)	Mean 10%	SD 0%	Total	24/50	(48%)
								Mean 48%
								SD 0%
.....								
#Mammary Gland:								
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%
.....								
#Mammary Gland:								
Myoepithelioma								
		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:								
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								
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 23
 Report Date: 06/03/2022

		Male				Female			
#Mesentery:									
Lipoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Mesentery:									
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									
		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:									
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%
.....									
*Nose:									
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 with tissues examined microscopically
 #: Denominator is number of animals necropsied

		Male			Female		
*Nose:							
Chondroma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
*Nose:							
Sarcoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
*Nose:							
Squamous Cell Carcinoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):							
Papilloma Squamous or Papilloma							
		1/50	(2%)		1/50	(2%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	1/50 (2%)
.....							
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):							
Squamous Cell Carcinoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):							
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma							
		1/50	(2%)		1/50	(2%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	1/50 (2%)
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 25

Report Date: 06/03/2022

	Male				Female			
#Oral Mucosa:								
Squamous Cell Carcinoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Oral Mucosa:								
Squamous Cell Papilloma								
		1/50	(2%)			1/50	(2%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	1/50	(2%)
.....								
*Ovary:								
Cystadenoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
*Ovary:								
Granulosa Cell Tumor Benign								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
*Ovary:								
Granulosa Cell Tumor Malignant								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
*Ovary:								
Granulosa Cell Tumor: Benign, Malignant, NOS								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Male					Female					
*Ovary:										
Granulosa-Theca Tumor Malignant										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
*Ovary:										
Luteoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
*Ovary:										
Sarcoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
*Ovary:										
Thecoma Malignant										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
*Pancreas:										
Adenoma										
					10/50 (20%)					
Overall Incidence					Total		10/50 (20%)		Mean 20% SD 0%	
					1/50 (2%)					
					Total		1/50 (2%)		Mean 2% SD 0%	
.....										
*Pancreas:										
Carcinoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
*Pancreas:								
Carcinoma or Adenoma								
		10/50 (20%)			1/50 (2%)			
Overall Incidence	Total	10/50 (20%)	Mean 20%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
*Pancreas:								
Fibroma								
		0/50 (0%)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
*Pancreas:								
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%
.....								
*Parathyroid Gland:								
Adenoma								
		0/50 (0%)			0/49 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (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								
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Peripheral Nerve:								
Schwannoma: Benign, Malignant, NOS								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Pituitary Gland: Pars Distalis or Unspecified Site:								
Adenoma								
		12/50	(24%)			19/50	(38%)	
Overall Incidence	Total	12/50	(24%)	Mean 24%	SD 0%	Total	19/50	(38%)
.....								
*Pituitary Gland: Pars Distalis or Unspecified Site:								
Carcinoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Pituitary Gland: Pars Distalis or Unspecified Site:								
Carcinoma or Adenoma								
		12/50	(24%)			19/50	(38%)	
Overall Incidence	Total	12/50	(24%)	Mean 24%	SD 0%	Total	19/50	(38%)
.....								
*Pituitary Gland: Pars Intermedia:								
Adenoma								
		0/50	(0%)			1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								
*Pituitary Gland: Pars Intermedia:								
Carcinoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Pituitary Gland: Pars Intermedia:							
 Carcinoma or Adenoma							
		0/50	(0%)		1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
						Mean 2%	SD 0%
.....							
*Prostate:							
 Adenoma							
		2/49	(4%)				
Overall Incidence	Total	2/49	(4.08%)	Mean 4.08%	SD 0%		
.....							
*Prostate:							
 Carcinoma or Adenoma							
		2/49	(4%)				
Overall Incidence	Total	2/49	(4.08%)	Mean 4.08%	SD 0%		
.....							
*Salivary Glands:							
 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%
.....							
*Salivary Glands:							
 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%
.....							
*Salivary Glands:							
 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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Salivary Glands:									
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%
.....									
#Skeletal Muscle:									
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%
.....									
#Skeletal Muscle:									
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%
.....									
#Skeletal Muscle:									
Hemangiosarcoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Skeletal Muscle:									
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%
.....									
#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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skeletal Muscle:								
Rhabdomyosarcoma or Rhabdomyoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skeletal Muscle:								
Sarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(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%)
.....								
#Skin:								
Basal Cell Adenoma or Basosquamous Tumor Benign								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Basal Cell Carcinoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma								
		5/50	(10%)			1/50	(2%)	
Overall Incidence	Total	5/50	(10%)	Mean 10%	SD 0%	Total	1/50	(2%)
.....								
#Skin:								
Fibroma								
		4/50	(8%)			2/50	(4%)	
Overall Incidence	Total	4/50	(8%)	Mean 8%	SD 0%	Total	2/50	(4%)
.....								
#Skin:								
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma								
		7/50	(14%)			2/50	(4%)	
Overall Incidence	Total	7/50	(14%)	Mean 14%	SD 0%	Total	2/50	(4%)
.....								
#Skin:								
Fibrosarcoma								
		3/50	(6%)			0/50	(0%)	
Overall Incidence	Total	3/50	(6%)	Mean 6%	SD 0%	Total	0/50	(0%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma								
		3/50 (6%)			0/50 (0%)			
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
#Skin:								
Fibrous Histiocytoma								
		0/50 (0%)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
#Skin:								
Hemangioma								
		0/50 (0%)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
#Skin:								
Hemangiopericytoma								
		0/50 (0%)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
#Skin:								
Hemangiosarcoma								
		0/50 (0%)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 34
 Report Date: 06/03/2022

		Male				Female			
#Skin:									
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%
.....									
#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:									
Melanoma 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%
.....									
#Skin:									
Myxoma									
		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:									
Myxosarcoma									
		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									
		1/50	(2%)			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 examined microscopically
 #: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Neurofibroma or Schwannoma benign								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Neurofibrosarcoma or Schwannoma (malignant or NOS)								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Osteosarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Sarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Schwannoma Benign								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 36
 Report Date: 06/03/2022

	Male				Female			
#Skin:								
Schwannoma Malignant								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(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%)
.....								
#Skin:								
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Squamous Cell Papilloma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Squamous Cell Papilloma or Papilloma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma								
		4/50	(8%)			1/50	(2%)	
Overall Incidence	Total	4/50	(8%)	Mean 8%	SD 0%	Total	1/50	(2%)

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

	Male				Female			
#Skin:								
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma								
		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:								
Trichoepithelioma								
		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:								
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: Sebaceous 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%
.....								
#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%
.....								
*Spleen:								
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%
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 38
 Report Date: 06/03/2022

		Male				Female			
*Spleen:									
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%
.....									
*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%
.....									
#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									
		1/50	(2%)			0/50	(0%)		
Overall Incidence	Total	1/50	(2%)	Mean 2%	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 or Papilloma Squamous									
		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 with tissues examined microscopically
 #: Denominator is number of animals necropsied

		Male			Female		
#Stomach, Forestomach:							
Squamous Cell Papilloma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Stomach, Glandular:							
Carcinoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Stomach, Glandular:							
Carcinoma or Adenoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Stomach, Glandular:							
Leiomyosarcoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Stomach, Glandular:							
Lipoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
*Testes:							
Adenoma							
		41/50	(82%)				
Overall Incidence	Total	41/50	(82%)	Mean 82%	SD 0%		
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Thymus:							
Sarcoma							
		0/50	(0%)		0/48	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/48 (0%)
						Mean 0%	SD 0%
.....							
*Thymus:							
Thymoma Benign							
		0/50	(0%)		0/48	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/48 (0%)
						Mean 0%	SD 0%
.....							
*Thymus:							
Thymoma Malignant							
		0/50	(0%)		0/48	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/48 (0%)
						Mean 0%	SD 0%
.....							
*Thymus:							
Thymoma: Benign, Malignant, NOS							
		0/50	(0%)		0/48	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/48 (0%)
						Mean 0%	SD 0%
.....							
*Thyroid Gland: C-Cell:							
Adenoma							
		4/50	(8%)		12/50	(24%)	
Overall Incidence	Total	4/50	(8%)	Mean 8%	SD 0%	Total	12/50 (24%)
						Mean 24%	SD 0%
.....							
*Thyroid Gland: C-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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 06/03/2022

		Male			Female			
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	13/50 (26%)	Mean 26%	SD 0%
.....								
*Thyroid Gland: Follicular Cell: Adenoma								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
*Thyroid Gland: Follicular Cell: Carcinoma								
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
#Tissue NOS: Fibrosarcoma								
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%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 06/03/2022

		Male				Female			
#Tissue NOS:									
Paranglioma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 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%	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%	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%	0/50	(0%)	Mean 0%	SD 0%
.....									
#Tongue:									
Squamous Cell Carcinoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
#Tongue:									
Squamous Cell Carcinoma or Papilloma Squamous									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%

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

Version: 2006
 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: 43
 Report Date: 06/03/2022

		Male				Female			
#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%)			1/50	(2%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
*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									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Urinary Bladder:									
Papilloma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

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

Version: 2006
 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: 44
 Report Date: 06/03/2022

	Male				Female			
*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	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Carcinoma								
						1/50	(2%)	
Overall Incidence						Total	1/50	(2%)
.....								
#Uterus:								
Hemangioma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Leiomyoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Leiomyosarcoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 45
 Report Date: 06/03/2022

	Male	Female
#Uterus:		
Polyp Stromal		
Overall Incidence	Total 14/50 (28%)	Mean 28% SD 0%
#Uterus:		
Sarcoma		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
#Uterus:		
Sarcoma Stromal		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
#Uterus:		
Sarcoma Stromal or Polyp Stromal		
Overall Incidence	Total 14/50 (28%)	Mean 28% SD 0%
#Uterus:		
Schwannoma Malignant		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
#Vagina:		
Leiomyoma		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Male					Female					
#Vagina:										
Leiomyosarcoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Vagina:										
Polyp										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Vagina:										
Sarcoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Zymbal's Gland:										
Adenoma										
					1/50 (2%)					
Overall Incidence					Total		1/50 (2%)		Mean 2% SD 0%	
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Zymbal's Gland:										
Carcinoma										
					1/50 (2%)					
Overall Incidence					Total		1/50 (2%)		Mean 2% SD 0%	
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Zymbal's Gland:										
Carcinoma or Adenoma										
					2/50 (4%)					
Overall Incidence					Total		2/50 (4%)		Mean 4% SD 0%	
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 47

Report Date: 06/03/2022

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

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

		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 Tumors							
		49/50 (98%)			50/50 (100%)		
Overall Incidence	Total	49/50 (98%)	Mean 98%	SD 0%	Total	50/50 (100%)	Mean 100% SD 0%
.....							
#All Organs:							
Hemangioma							
		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:							
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 Hemangioma							
		2/50 (4%)			1/50 (2%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	1/50 (2%)	Mean 2% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	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, Monocytic, Mononuclear, or Undifferentiated								
		23/50	(46%)			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: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type								
		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								
		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, Malignant, 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%
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#All Organs:									
Osteoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#All Organs:									
Osteosarcoma									
		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:									
Osteosarcoma or Osteoma									
		0/50	(0%)			1/50	(2%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
*Adrenal Cortex:									
Adenoma									
		1/50	(2%)			1/50	(2%)		
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
*Adrenal Cortex:									
Carcinoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Adrenal Medulla:									
Ganglioneuroma									
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
*Adrenal Medulla:								
Pheochromocytoma Benign								
		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 Complex								
		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 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%
.....								
*Adrenal Medulla:								
Pheochromocytoma: Benign, 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%
.....								
#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%
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Bone:								
Osteoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Bone:								
Osteosarcoma								
		0/50	(0%)			1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								
#Bone:								
Osteosarcoma or Osteoma								
		0/50	(0%)			1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								
*Brain:								
Astrocytoma Malignant								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Brain:								
Glioma Malignant								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(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%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Brain:									
Granular Cell Tumor 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:									
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%
.....									
*Brain:									
Meningioma: Benign, Malignant, 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 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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
*Brain:								
 Oligodendroglioma, Glioma, or Astrocytoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Brain:								
 Sarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Clitoral/Preputial Gland:								
 Adenoma								
		1/50	(2%)			7/50	(14%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	7/50	(14%)
.....								
*Clitoral/Preputial Gland:								
 Carcinoma								
		0/50	(0%)			1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								
*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%)
.....								
*Clitoral/Preputial Gland:								
 Fibrosarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 06/03/2022

		Male				Female			
*Clitoral/Preputial Gland: 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%
.....									
*Clitoral/Preputial Gland: 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: Schwannoma Malignant									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Clitoral/Preputial Gland: 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%
.....									
#Eye: Amelanotic Melanoma, 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%
.....									

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

		Male				Female			
#Eye:									
Melanoma 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%
.....									
#Eye:									
Melanoma 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%
.....									
#Harderian 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%
.....									
#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%
.....									
#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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Heart:							
Schwannoma Malignant							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
#Intestine Large: Colon/Rectum:							
Adenoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
#Intestine Large: Colon/Rectum:							
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 Large: Colon/Rectum:							
Carcinoma or Adenoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
#Intestine Large: Colon/Rectum:							
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%
.....							
#Intestine Large: Colon/Rectum:							
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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 58
 Report Date: 06/03/2022

		Male				Female			
#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: 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%
.....									
#Intestine Small: Site Unspecified: 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: Site Unspecified: Carcinoma or Adenoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Intestine Small: Site Unspecified: 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%

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

		Male				Female			
#Intestine Small: Site Unspecified:									
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%
.....									
*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%
.....									
*Kidney: Pelvis and Transitional Epithelium:									
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: Pelvis and Transitional Epithelium:									
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 with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 60
 Report Date: 06/03/2022

		Male				Female			
*Kidney: Pelvis and Transitional Epithelium:									
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%
.....									
*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%
.....									
*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%
.....									

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

Version: 2006
 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: 61
 Report Date: 06/03/2022

		Male				Female			
*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%
.....									
*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									
		1/50	(2%)			0/50	(0%)		
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Liver:									
Hepatocellular Carcinoma									
		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 with tissues examined microscopically
 #: Denominator is number of animals necropsied

	Male				Female			
*Liver:								
Hepatocellular Carcinoma or Hepatoblastoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Liver:								
Hepatocellular Carcinoma or Hepatocellular Adenoma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
*Liver:								
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
*Lung:								
Alveolar/Bronchiolar Adenoma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
*Lung:								
Alveolar/Bronchiolar Carcinoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Lung:								
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Lung:									
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%
.....									
*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%
.....									
*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:									
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:									
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%
.....									
#Lymph Node, Mesenteric:									
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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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									
		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									
		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%
.....									
#Mammary Gland:									
Fibroma									
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#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, Carcinoma, or Adenoma								
		2/50	(4%)			30/50	(60%)	
Overall Incidence	Total	2/50	(4%)	Mean 4%	SD 0%	Total	30/50 (60%)	Mean 60%
								SD 0%
.....								
#Mammary Gland:								
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%
.....								
#Mammary Gland:								
Myoepithelioma								
		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:								
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								
		1/50	(2%)			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 examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 66
 Report Date: 06/03/2022

		Male				Female			
#Mesentery:									
Lipoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Mesentery:									
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									
		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:									
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%
.....									
*Nose:									
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 with tissues examined microscopically
 #: Denominator is number of animals necropsied

		Male				Female			
*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%
.....									
*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, Tongue, Pharynx, Tooth, Gingiva):									
Papilloma Squamous 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%
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
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 Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma									
		1/50	(2%)			1/50	(2%)		
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#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%)
.....								
#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%)
.....								
*Ovary:								
Cystadenoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
*Ovary:								
Granulosa Cell Tumor Benign								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
*Ovary:								
Granulosa Cell Tumor Malignant								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
*Ovary:								
Granulosa Cell Tumor: Benign, Malignant, NOS								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Male					Female					
*Ovary:										
Granulosa-Theca Tumor Malignant										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
*Ovary:										
Luteoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
*Ovary:										
Sarcoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
*Ovary:										
Thecoma Malignant										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
*Pancreas:										
Adenoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
					1/49 (2%)					
Overall Incidence					Total		1/49 (2.04%)		Mean 2.04% SD 0%	
.....										
*Pancreas:										
Carcinoma										
					0/49 (0%)					
Overall Incidence					Total		0/49 (0%)		Mean 0% SD 0%	
.....										

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Pancreas:							
Carcinoma or Adenoma							
		0/50	(0%)		1/49	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/49 (2.04%)
						Mean	2.04%
						SD	0%
.....							
*Pancreas:							
Fibroma							
		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:							
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%
.....							
*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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Peripheral Nerve:								
Schwannoma: Benign, Malignant, 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%
.....								
*Pituitary Gland: Pars Distalis or Unspecified Site:								
Adenoma								
		25/50	(50%)			36/50	(72%)	
Overall Incidence	Total	25/50	(50%)	Mean 50%	SD 0%	Total	36/50 (72%)	Mean 72%
								SD 0%
.....								
*Pituitary Gland: Pars Distalis or Unspecified Site:								
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 Distalis or Unspecified Site:								
Carcinoma or Adenoma								
		25/50	(50%)			36/50	(72%)	
Overall Incidence	Total	25/50	(50%)	Mean 50%	SD 0%	Total	36/50 (72%)	Mean 72%
								SD 0%
.....								
*Pituitary Gland: Pars Intermedia:								
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%
.....								
*Pituitary Gland: Pars Intermedia:								
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%
.....								

*: 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: GAVAGE

Vehicle: METHYLCELLULOSE

		Male			Female		
*Pituitary Gland: Pars Intermedia:							
 Carcinoma or Adenoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (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%		
.....							
*Salivary Glands:							
 Carcinoma							
		0/50	(0%)				
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
*Salivary Glands:							
 Carcinoma or Adenoma							
		0/50	(0%)				
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
*Salivary Glands:							
 Sarcoma							
		0/50	(0%)				
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Salivary Glands:									
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%
.....									
#Skeletal Muscle:									
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%
.....									
#Skeletal Muscle:									
Hemangioma									
		1/50	(2%)			0/50	(0%)		
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Skeletal Muscle:									
Hemangiosarcoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Skeletal Muscle:									
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%
.....									
#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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skeletal Muscle:								
Rhabdomyosarcoma or Rhabdomyoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skeletal Muscle:								
Sarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(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%)
.....								
#Skin:								
Basal Cell Adenoma or Basosquamous Tumor Benign								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma								
		0/50	(0%)			1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								
#Skin:								
Basal Cell Carcinoma								
		0/50	(0%)			1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)								
		0/50 (0%)			1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
#Skin:								
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma								
		0/50 (0%)			2/50 (4%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
.....								
#Skin:								
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma								
		7/50 (14%)			3/50 (6%)			
Overall Incidence	Total	7/50 (14%)	Mean 14%	SD 0%	Total	3/50 (6%)	Mean 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, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma								
		8/50 (16%)			2/50 (4%)			
Overall Incidence	Total	8/50 (16%)	Mean 16%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
.....								
#Skin:								
Fibrosarcoma								
		3/50 (6%)			1/50 (2%)			
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma								
		3/50	(6%)			1/50	(2%)	
Overall Incidence	Total	3/50	(6%)	Mean 6%	SD 0%	Total	1/50	(2%)
							Mean 2%	SD 0%
.....								
#Skin:								
Fibrous Histiocytoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
#Skin:								
Hemangioma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
#Skin:								
Hemangiopericytoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
#Skin:								
Hemangiosarcoma								
		0/50	(0%)			1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
							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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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:									
Melanoma 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%
.....									
#Skin:									
Myxoma									
		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:									
Myxosarcoma									
		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									
		1/50	(2%)			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 examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Neurofibroma or Schwannoma benign								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Neurofibrosarcoma or Schwannoma (malignant or NOS)								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Osteosarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Sarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Schwannoma Benign								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
#Skin:							
Schwannoma Malignant							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (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%)
.....							
#Skin:							
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma							
		0/50	(0%)		1/50	(2%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
.....							
#Skin:							
Squamous Cell Papilloma							
		4/50	(8%)		1/50	(2%)	
Overall Incidence	Total	4/50	(8%)	Mean 8%	SD 0%	Total	1/50 (2%)
.....							
#Skin:							
Squamous Cell Papilloma or Papilloma							
		4/50	(8%)		1/50	(2%)	
Overall Incidence	Total	4/50	(8%)	Mean 8%	SD 0%	Total	1/50 (2%)
.....							
#Skin:							
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma							
		7/50	(14%)		1/50	(2%)	
Overall Incidence	Total	7/50	(14%)	Mean 14%	SD 0%	Total	1/50 (2%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 80
 Report Date: 06/03/2022

	Male				Female			
#Skin:								
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma								
		7/50 (14%)			1/50 (2%)			
Overall Incidence	Total	7/50 (14%)	Mean 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%
.....								
#Skin: Sebaceous 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%
.....								
#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%
.....								
*Spleen:								
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%

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

		Male			Female		
*Spleen:							
Hemangiosarcoma							
		1/50	(2%)		0/49	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/49 (0%)
							Mean 0%
							SD 0%
.....							
*Spleen:							
Leiomyosarcoma							
		0/50	(0%)		0/49	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/49 (0%)
							Mean 0%
							SD 0%
.....							
#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 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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
#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%
.....							
#Stomach, Glandular:							
Carcinoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
#Stomach, Glandular:							
Carcinoma or Adenoma							
		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:							
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%		
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*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%
.....							
*Thymus:							
Thymoma: Benign, Malignant, 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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Thyroid Gland: C-Cell: Carcinoma or Adenoma							
Overall Incidence	Total	8/50 (16%)	Mean 16%	SD 0%	Total	7/50 (14%)	Mean 14% SD 0%
.....							
*Thyroid Gland: Follicular Cell: Adenoma							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
*Thyroid Gland: Follicular Cell: Carcinoma							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
#Tissue NOS: Fibrosarcoma							
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%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 85
 Report Date: 06/03/2022

	Male				Female			
#Tissue NOS:								
Paranglioma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Tissue NOS:								
Sarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(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%)
.....								
#Tongue:								
Liposarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Tongue:								
Squamous Cell Carcinoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Tongue:								
Squamous Cell Carcinoma or Papilloma Squamous								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)

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

Version: 2006
 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: 86
 Report Date: 06/03/2022

		Male				Female			
#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%
.....									
*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									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Urinary Bladder:									
Papilloma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

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

Version: 2006
 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: 87
 Report Date: 06/03/2022

	Male				Female			
*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	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Carcinoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Hemangioma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Leiomyoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Leiomyosarcoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								

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

Version: 2006
 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: 88
 Report Date: 06/03/2022

	Male	Female
#Uterus:		
Polyp Stromal		
	13/50 (26%)	
Overall Incidence	Total 13/50 (26%)	Mean 26% SD 0%
.....		
#Uterus:		
Sarcoma		
	0/50 (0%)	
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
.....		
#Uterus:		
Sarcoma Stromal		
	2/50 (4%)	
Overall Incidence	Total 2/50 (4%)	Mean 4% SD 0%
.....		
#Uterus:		
Sarcoma Stromal or Polyp Stromal		
	15/50 (30%)	
Overall Incidence	Total 15/50 (30%)	Mean 30% SD 0%
.....		
#Uterus:		
Schwannoma Malignant		
	0/50 (0%)	
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
.....		
#Vagina:		
Leiomyoma		
	0/50 (0%)	
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
.....		

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Male					Female				
#Vagina:									
Leiomyosarcoma									
					0/50 (0%)				
Overall Incidence					Total	0/50 (0%)		Mean 0%	SD 0%
.....									
#Vagina:									
Polyp									
					0/50 (0%)				
Overall Incidence					Total	0/50 (0%)		Mean 0%	SD 0%
.....									
#Vagina:									
Sarcoma									
					0/50 (0%)				
Overall Incidence					Total	0/50 (0%)		Mean 0%	SD 0%
.....									
#Zymbal's Gland:									
Adenoma									
					0/50 (0%)				
Overall Incidence					Total	0/50 (0%)		Mean 0%	SD 0%
.....									
#Zymbal's Gland:									
Carcinoma									
					0/50 (0%)				
Overall Incidence					Total	0/50 (0%)		Mean 0%	SD 0%
.....									
#Zymbal's Gland:									
Carcinoma or Adenoma									
					0/50 (0%)				
Overall Incidence					Total	0/50 (0%)		Mean 0%	SD 0%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 90

Report Date: 06/03/2022

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	058812206	06/25/97	727	50(3)	26(667)	483.6	Elmiron (sodium pentosanpolysulfate)
Battelle Columbus Laboratory	058812305	03/21/01	727	50(3)	26(673)	509.7	Formamide
Battelle Columbus Laboratory	058805005	10/30/95	729	50(3)	25(665)	488.4	Methacrylonitrile
Southern Research Institute	050516105	03/06/96	N/A	0(0)	0(0)	N/A	Riddelliine
Female							
Battelle Columbus Laboratory	058812206	06/26/97	728	50(5)	30(672)	327.2	Elmiron (sodium pentosanpolysulfate)
Battelle Columbus Laboratory	058812305	03/20/01	730	50(5)	38(703)	358.3	Formamide
Battelle Columbus Laboratory	058805005	10/31/95	731	50(5)	38(710)	315.4	Methacrylonitrile
Southern Research Institute	050516105	03/06/96	729	50(5)	33(683)	322.1	Riddelliine

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

		Male				Female			
#All Organs:									
Benign Tumors									
		49/50 (98%)	45/50 (90%)	47/50 (94%)		37/50 (74%) 45/50 (90%)	43/50 (86%)	35/50 (70%)	
Overall Incidence	Total	141/150 (94%)	Mean 94%	SD 4%	Total	160/200 (80%)	Mean 80%	SD 9.52%	
.....									
#All Organs:									
Malignant Tumors									
		29/50 (58%)	25/50 (50%)	29/50 (58%)		12/50 (24%) 20/50 (40%)	15/50 (30%)	26/50 (52%)	
Overall Incidence	Total	83/150 (55.33%)	Mean 55.33%	SD 4.62%	Total	73/200 (36.5%)	Mean 36.5%	SD 12.26%	
.....									
#All Organs:									
Malignant and Benign Tumors									
		49/50 (98%)	48/50 (96%)	49/50 (98%)		42/50 (84%) 47/50 (94%)	49/50 (98%)	45/50 (90%)	
Overall Incidence	Total	146/150 (97.33%)	Mean 97.33%	SD 1.15%	Total	183/200 (91.5%)	Mean 91.5%	SD 5.97%	
.....									
#All Organs:									
Hemangioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/200 (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%)	1/50 (2%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#All Organs:													
Hemangiosarcoma or Hemangioma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
						0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 1/200 (0.5%)		Mean 0.5%		SD 1%	
#All Organs:													
Histiocytic Sarcoma													
		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 0/200 (0%)		Mean 0%		SD 0%	
#All Organs:													
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated													
		15/50	(30%)	15/50	(30%)	20/50	(40%)	7/50	(14%)	10/50	(20%)	21/50	(42%)
								12/50	(24%)				
Overall Incidence	Total	50/150 (33.33%)		Mean 33.33%		SD 5.77%		Total 50/200 (25%)		Mean 25%		SD 12.06%	
#All Organs:													
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type													
		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%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%	
#All Organs:													
Mesothelioma: Benign													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
								0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#All Organs:													
Mesothelioma: Benign, Malignant, NOS													
		2/50	(4%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	4/150 (2.67%)		Mean 2.67%		SD 2.31%		Total	2/200 (1%)	Mean 1%		SD 2%	
.....													
#All Organs:													
Mesothelioma: Malignant													
		2/50	(4%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	4/150 (2.67%)		Mean 2.67%		SD 2.31%		Total	2/200 (1%)	Mean 1%		SD 2%	
.....													
#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%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)	Mean 0%		SD 0%	
.....													
#All Organs:													
Osteosarcoma													
		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	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	0/200 (0%)	Mean 0%		SD 0%	
.....													
#All Organs:													
Osteosarcoma or Osteoma													
		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	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	0/200 (0%)	Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Adrenal Cortex:													
Adenoma													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
						1/50	(2%)						
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	3/200 (1.5%)		Mean 1.5%		SD 1%
.....													
*Adrenal Cortex:													
Carcinoma													
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)						
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	0/200 (0%)		Mean 0%		SD 0%
.....													
*Adrenal Medulla:													
Ganglioneuroma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)						
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)		Mean 0%		SD 0%
.....													
*Adrenal Medulla:													
Pheochromocytoma Benign													
		7/50	(14%)	9/50	(18%)	3/50	(6%)	2/50	(4%)	0/50	(0%)	1/50	(2%)
								1/50	(2%)				
Overall Incidence	Total	19/150 (12.67%)		Mean 12.67%		SD 6.11%		Total	4/200 (2%)		Mean 2%		SD 1.63%
.....													
*Adrenal Medulla:													
Pheochromocytoma Complex													
		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%)		Mean 0%		SD 0%		Total	0/200 (0%)		Mean 0%		SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Adrenal Medulla:									
Pheochromocytoma Malignant									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		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	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
*Adrenal Medulla:									
Pheochromocytoma: Benign, Complex, Malignant, NOS									
		7/50 (14%)	9/50 (18%)	4/50 (8%)		3/50 (6%) 2/50 (4%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	20/150 (13.33%)	Mean 13.33%	SD 5.03%	Total	6/200 (3%)	Mean 3%	SD 2.58%	
.....									
#Blood Vessel:									
Osteosarcoma									
		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%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Bone:									
Chordoma									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/200 (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%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Bone:													
Osteosarcoma													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
#Bone:													
Osteosarcoma or Osteoma													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
*Brain:													
Astrocytoma Malignant													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (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%)				
								0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
*Brain:													
Granular Cell Tumor Benign													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 1/200 (0.5%)		Mean 0.5%		SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Brain:											
Granular Cell Tumor Malignant											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Brain:											
Meningioma Malignant											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Brain:											
Meningioma: Benign, Malignant, NOS											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Brain:											
Oligodendroglioma Benign											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	
.....											

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 98
 Report Date: 06/03/2022

		Male				Female					
*Brain:											
Oligodendroglioma Malignant											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)				
						0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total		0/200 (0%)	
										Mean 0%	
										SD 0%	
.....											
*Brain:											
Oligodendroglioma, Glioma, or Astrocytoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
						0/50	(0%)				
						0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total		1/200 (0.5%)	
										Mean 0.5%	
										SD 1%	
.....											
*Brain:											
Sarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)				
						0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total		0/200 (0%)	
										Mean 0%	
										SD 0%	
.....											
*Clitoral/Preputial Gland:											
Adenoma											
		1/50	(2%)	1/50	(2%)	2/50	(4%)	3/50	(6%)	2/50	(4%)
								7/49	(14%)		
										2/49	(4%)
Overall Incidence	Total	4/150 (2.67%)		Mean 2.67%		SD 1.15%		Total		14/198 (7.07%)	
										Mean 7.09%	
										SD 4.88%	
.....											
*Clitoral/Preputial Gland:											
Carcinoma											
		1/50	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
								3/49	(6%)		
										1/49	(2%)
Overall Incidence	Total	3/150 (2%)		Mean 2%		SD 0%		Total		4/198 (2.02%)	
										Mean 2.04%	
										SD 2.89%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Clitoral/Preputial Gland: Carcinoma or Adenoma									
		2/50 (4%)	2/50 (4%)	3/50 (6%)	3/50 (6%)	2/50 (4%)	3/49 (6%)		
					10/49 (20%)				
Overall Incidence	Total	7/150 (4.67%)	Mean 4.67%	SD 1.15%	Total	18/198 (9.09%)	Mean 9.13%	SD 7.58%	
.....									
*Clitoral/Preputial Gland: Fibrosarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
*Clitoral/Preputial Gland: Hemangiosarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/49 (2%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/198 (0.51%)	Mean 0.51%	SD 1.02%	
.....									
*Clitoral/Preputial Gland: Sarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
*Clitoral/Preputial Gland: Schwannoma Malignant									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Clitoral/Preputial Gland:											
Squamous Cell Papilloma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
						0/49	(0%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/198	(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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Eye:											
Amelanotic 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	0/200	(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	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Eye:											
Melanoma Malignant											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Harderian Gland:											
Carcinoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Harderian Gland:											
Carcinoma or Adenoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Heart:											
Schwannoma Benign											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Heart:											
Schwannoma Malignant											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Intestine Large: Colon/Rectum:											
Adenoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Intestine Large: Colon/Rectum:											
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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Intestine Large: Colon/Rectum:											
Carcinoma or Adenoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Intestine Large: Colon/Rectum:											
Leiomyosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Intestine Large: Colon/Rectum:											
Polyp Adenomatous											
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
						1/50	(2%)	0/50	(0%)		
Overall Incidence	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
#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%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(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%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Jejunum:														
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%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Site Unspecified:														
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	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
#Intestine Small: Site Unspecified:														
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%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Intestine Small: Site Unspecified:											
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	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Intestine Small: Site Unspecified:											
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	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Islets, Pancreatic:											
Adenoma											
		1/50	(2%)	2/50	(4%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
						0/50	(0%)				
		1/50	(2%)	2/50	(4%)	2/50	(4%)	1/50	(2%)	0/50	(0%)
Overall Incidence	Total	3/150	(2%)	Mean 2%	SD 2%	Total	3/200	(1.5%)	Mean 1.5%	SD 1.91%	
.....											
*Islets, Pancreatic:											
Carcinoma											
		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%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Islets, Pancreatic:											
Carcinoma or Adenoma											
		1/50	(2%)	3/50	(6%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
						0/50	(0%)				
		1/50	(2%)	3/50	(6%)	2/50	(4%)	1/50	(2%)	0/50	(0%)
Overall Incidence	Total	4/150	(2.67%)	Mean 2.67%	SD 3.06%	Total	3/200	(1.5%)	Mean 1.5%	SD 1.91%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Kidney: Pelvis and Transitional Epithelium: 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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Kidney: Pelvis and Transitional Epithelium: Papilloma											
		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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Kidney: Renal Tubule: Adenoma											
		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	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Kidney: Renal Tubule: 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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female						
*Kidney: Renal Tubule: Carcinoma or Adenoma												
		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	0/200 (0%)		Mean 0%	SD 0%
.....												
*Kidney: Renal Tubule: Lipoma												
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
						0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)		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%)	0/50	(0%)			
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (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%)			
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (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%)			
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)		Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Liver:											
Hemangiosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)			0/50	(0%)
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Liver:											
Hepatocellular Adenoma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	2/50	(4%)	1/50	(2%)
						1/50	(2%)				
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	4/200	(2%)	Mean 2%	SD 1.63%	
.....											
*Liver:											
Hepatocellular Carcinoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						1/50	(2%)			0/50	(0%)
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	
.....											
*Liver:											
Hepatocellular Carcinoma or Hepatoblastoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						1/50	(2%)			0/50	(0%)
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Liver:									
Hepatocellular Carcinoma or Hepatocellular Adenoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%) 1/50 (2%)	2/50 (4%)	1/50 (2%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	5/200 (2.5%)	Mean 2.5%	SD 1%	
.....									
*Liver:									
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%) 1/50 (2%)	2/50 (4%)	1/50 (2%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	5/200 (2.5%)	Mean 2.5%	SD 1%	
.....									
*Lung:									
Alveolar/Bronchiolar Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma									
		2/50 (4%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma									
		2/50 (4%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	4/200 (2%)	Mean 2%	SD 2.31%	
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Lung:											
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%)	Mean 0%	SD 0%	Total	0/200	(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%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Lung:											
Squamous Cell Carcinoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Lymph Node, Mesenteric:											
Carcinoma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Lymph Node, Mesenteric:											
Hemangioma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Lymph Node, Mesenteric: 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	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Mammary Gland: Adenoma											
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
						1/50	(2%)				
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	2/200	(1%)	Mean 1%	SD 1.15%	
.....											
#Mammary Gland: Carcinoma											
		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%)	1/50	(2%)	2/50	(4%)
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	8/200	(4%)	Mean 4%	SD 1.63%	
.....											
#Mammary Gland: Carcinoma or Adenoma											
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	2/50	(4%)
								3/50	(6%)		
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	2/50	(4%)
Overall Incidence	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	9/200	(4.5%)	Mean 4.5%	SD 1.91%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 111
 Report Date: 06/03/2022

		Male				Female			
#Mammary Gland:									
Fibroadenoma									
		2/50 (4%)	2/50 (4%)	2/50 (4%)		15/50 (30%) 28/50 (56%)	33/50 (66%)	21/50 (42%)	
Overall Incidence	Total	6/150 (4%)	Mean 4%	SD 0%	Total	97/200 (48.5%)	Mean 48.5%	SD 15.78%	
.....									
#Mammary Gland:									
Fibroma									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma or Adenoma									
		4/50 (8%)	4/50 (8%)	2/50 (4%)		15/50 (30%) 28/50 (56%)	33/50 (66%)	21/50 (42%)	
Overall Incidence	Total	10/150 (6.67%)	Mean 6.67%	SD 2.31%	Total	97/200 (48.5%)	Mean 48.5%	SD 15.78%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma, Carcinoma, or Adenoma									
		4/50 (8%)	4/50 (8%)	2/50 (4%)		16/50 (32%) 30/50 (60%)	35/50 (70%)	23/50 (46%)	
Overall Incidence	Total	10/150 (6.67%)	Mean 6.67%	SD 2.31%	Total	104/200 (52%)	Mean 52%	SD 16.57%	
.....									
#Mammary Gland:									
Hemangioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Mammary Gland:											
Myoepithelioma											
		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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Mesentery:											
Fibrosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Mesentery:											
Hemangiosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Mesentery:											
Liposarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Mesentery:											
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%)				
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Nose:											
Adenoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
						0/50	(0%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*Nose:											
Chondroma											
		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	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Nose:											
Sarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
*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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):											
Papilloma Squamous or Papilloma											
		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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):											
Squamous Cell Carcinoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	
.....											
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):											
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Oral Mucosa:													
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%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	1/200 (0.5%)		Mean 0.5%		SD 1%
.....													
#Oral Mucosa:													
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%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)		Mean 0%		SD 0%
.....													
*Ovary:													
Cystadenoma													
						0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)						
Overall Incidence	Total					0/200 (0%)		Mean 0%		SD 0%			
.....													
*Ovary:													
Granulosa Cell Tumor Benign													
						0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)						
Overall Incidence	Total					0/200 (0%)		Mean 0%		SD 0%			
.....													
*Ovary:													
Granulosa Cell Tumor Malignant													
						0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
						0/50	(0%)						
Overall Incidence	Total					1/200 (0.5%)		Mean 0.5%		SD 1%			

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male			Female		
*Ovary:						
Granulosa Cell Tumor: Benign, Malignant, NOS						
		0/50	(0%)	0/50	(0%)	1/50
		0/50	(0%)			(2%)
Overall Incidence	Total	1/200 (0.5%)		Mean 0.5%		SD 1%
.....						
*Ovary:						
Granulosa-Theca Tumor Malignant						
		0/50	(0%)	0/50	(0%)	0/50
		0/50	(0%)			(0%)
Overall Incidence	Total	0/200 (0%)		Mean 0%		SD 0%
.....						
*Ovary:						
Luteoma						
		0/50	(0%)	0/50	(0%)	0/50
		1/50	(2%)			(0%)
Overall Incidence	Total	1/200 (0.5%)		Mean 0.5%		SD 1%
.....						
*Ovary:						
Sarcoma						
		0/50	(0%)	0/50	(0%)	0/50
		0/50	(0%)			(0%)
Overall Incidence	Total	0/200 (0%)		Mean 0%		SD 0%
.....						
*Ovary:						
Thecoma Malignant						
		0/50	(0%)	0/50	(0%)	0/50
		0/50	(0%)			(0%)
Overall Incidence	Total	0/200 (0%)		Mean 0%		SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Pancreas:													
Adenoma													
		0/50	(0%)	0/50	(0%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
								1/50	(2%)				
Overall Incidence	Total	2/150 (1.33%)		Mean 1.33%		SD 2.31%		Total 2/200 (1%)		Mean 1%		SD 1.15%	
.....													
*Pancreas:													
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%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
*Pancreas:													
Carcinoma or Adenoma													
		0/50	(0%)	0/50	(0%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
								1/50	(2%)				
Overall Incidence	Total	2/150 (1.33%)		Mean 1.33%		SD 2.31%		Total 2/200 (1%)		Mean 1%		SD 1.15%	
.....													
*Pancreas:													
Fibroma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
								0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (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%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Parathyroid Gland:													
Adenoma													
		0/46	(0%)	0/48	(0%)	0/46	(0%)	1/46	(2%)	0/46	(0%)	1/48	(2%)
								0/48	(0%)				
Overall Incidence	Total	0/140 (0%)		Mean 0%		SD 0%		Total 2/188 (1.06%)		Mean 1.06%		SD 1.23%	
.....													
#Peripheral Nerve:													
Sarcoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
								0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (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%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
#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%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
*Pituitary Gland: Pars Distalis or Unspecified Site:													
Adenoma													
		19/50	(38%)	11/50	(22%)	17/50	(34%)	21/50	(42%)	22/50	(44%)	12/50	(24%)
								27/50	(54%)				
Overall Incidence	Total	47/150 (31.33%)		Mean 31.33%		SD 8.33%		Total 82/200 (41%)		Mean 41%		SD 12.49%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
*Pituitary Gland: Pars Distalis or Unspecified Site:														
 Carcinoma														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	1/50	(2%)	
								0/50	(0%)					
								0/50	(0%)					
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	3/200 (1.5%)		Mean 1.5%		SD 1.91%	
.....														
*Pituitary Gland: Pars Distalis or Unspecified Site:														
 Carcinoma or Adenoma														
		20/50	(40%)	11/50	(22%)	17/50	(34%)	21/50	(42%)	24/50	(48%)	13/50	(26%)	
								27/50	(54%)					
Overall Incidence	Total	48/150 (32%)		Mean 32%		SD 9.17%		Total	85/200 (42.5%)		Mean 42.5%		SD 12.04%	
.....														
*Pituitary Gland: Pars Intermedia:														
 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%)					
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	0/200 (0%)		Mean 0%		SD 0%	
.....														
*Pituitary Gland: Pars Intermedia:														
 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	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)		Mean 0%		SD 0%	
.....														
*Pituitary Gland: Pars Intermedia:														
 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%)					
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	0/200 (0%)		Mean 0%		SD 0%	

*: 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: GAVAGE

Vehicle: WATER

		Male				Female			
*Prostate:									
Adenoma									
		0/50	(0%)	0/50	(0%)	1/50	(2%)		
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%			
.....									
*Prostate:									
Carcinoma or Adenoma									
		0/50	(0%)	0/50	(0%)	1/50	(2%)		
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%			
.....									
*Salivary Glands:									
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%)		Mean 0%		SD 0%		Total	0/200 (0%)
								Mean	0%
								SD	0%
.....									
*Salivary Glands:									
Carcinoma or Adenoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)
						0/50	(0%)		
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)
								Mean	0%
								SD	0%
.....									
*Salivary Glands:									
Sarcoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)
						0/50	(0%)		
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)
								Mean	0%
								SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
*Salivary Glands:														
Schwannoma Malignant														
		1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)			
								0/50	(0%)					
								0/50	(0%)					
Overall Incidence	Total	3/150	(2%)	Mean	2%	SD	2%	Total	0/200	(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%)					
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(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%)					
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(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%)					
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(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%)					
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female						
#Skeletal Muscle:												
Rhabdomyosarcoma												
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
						0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	0/200 (0%)		Mean 0%	SD 0%
.....												
#Skeletal Muscle:												
Rhabdomyosarcoma or Rhabdomyoma												
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
						0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total	0/200 (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%)	0/50	(0%)			
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	0/200 (0%)		Mean 0%	SD 0%
.....												
#Skin:												
Basal Cell Adenoma												
		1/50	(2%)	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	3/200 (1.5%)		Mean 1.5%	SD 1%
.....												
#Skin:												
Basal Cell Adenoma or Basosquamous Tumor Benign												
		1/50	(2%)	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	3/200 (1.5%)		Mean 1.5%	SD 1%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 123
 Report Date: 06/03/2022

		Male				Female							
#Skin:													
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma													
		1/50	(2%)	1/50	(2%)	0/50	(0%)	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	4/200 (2%)		Mean 2%		SD 1.63%
.....													
#Skin:													
Basal Cell Carcinoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
								1/50	(2%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	1/200 (0.5%)		Mean 0.5%		SD 1%
.....													
#Skin:													
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
								1/50	(2%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total	1/200 (0.5%)		Mean 0.5%		SD 1%
.....													
#Skin:													
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma													
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	2/50	(4%)	1/50	(2%)
								1/50	(2%)				
Overall Incidence	Total	2/150 (1.33%)		Mean 1.33%		SD 1.15%		Total	5/200 (2.5%)		Mean 2.5%		SD 1%
.....													
#Skin:													
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma													
		4/50	(8%)	10/50	(20%)	2/50	(4%)	1/50	(2%)	4/50	(8%)	2/50	(4%)
								1/50	(2%)				
Overall Incidence	Total	16/150 (10.67%)		Mean 10.67%		SD 8.33%		Total	8/200 (4%)		Mean 4%		SD 2.83%

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

		Male				Female			
#Skin:									
Fibroma									
		1/50 (2%)	6/50 (12%)	3/50 (6%)		1/50 (2%) 1/50 (2%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	10/150 (6.67%)	Mean 6.67%	SD 5.03%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma									
		3/50 (6%)	7/50 (14%)	3/50 (6%)		1/50 (2%) 3/50 (6%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	13/150 (8.67%)	Mean 8.67%	SD 4.62%	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	
.....									
#Skin:									
Fibrosarcoma									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma									
		2/50 (4%)	1/50 (2%)	0/50 (0%)		0/50 (0%) 2/50 (4%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
#Skin:									
Fibrous Histiocytoma									
		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	0/200 (0%)	Mean 0%	SD 0%	
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 125
 Report Date: 06/03/2022

		Male				Female					
#Skin:											
Hemangioma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)			0/50	(0%)
						0/50	(0%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Hemangiopericytoma											
		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	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Keratoacanthoma											
		2/50	(4%)	8/50	(16%)	1/50	(2%)	0/50	(0%)	2/50	(4%)
						0/50	(0%)			0/50	(0%)
						0/50	(0%)				
Overall Incidence	Total	11/150	(7.33%)	Mean 7.33%	SD 7.57%	Total	2/200	(1%)	Mean 1%	SD 2%	
.....											
#Skin:											
Lipoma											
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
						1/50	(2%)			0/50	(0%)
						1/50	(2%)				
Overall Incidence	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	2/200	(1%)	Mean 1%	SD 1.15%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 06/03/2022

		Male				Female					
#Skin:											
Liposarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Melanoma Malignant											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Myxoma											
		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	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Myxosarcoma											
		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	1/200	(0.5%)	Mean 0.5%	SD 1%	
.....											
#Skin:											
Neural Crest Tumor											
		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	0/200	(0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Skin:											
Neurofibroma or 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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Neurofibrosarcoma or Schwannoma (malignant or NOS)											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)			0/50	(0%)
						1/50	(2%)				
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	
.....											
#Skin:											
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)			0/50	(0%)
						1/50	(2%)				
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	
.....											
#Skin:											
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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Schwannoma Malignant											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)				
						1/50	(2%)				
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	
.....											
#Skin:											
Squamous Cell Carcinoma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)				
						0/50	(0%)				
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)				
						1/50	(2%)				
Overall Incidence	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	
.....											
#Skin:											
Squamous Cell Papilloma											
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
						0/50	(0%)				
						0/50	(0%)				
Overall Incidence	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	1/200	(0.5%)	Mean 0.5%	SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 129
 Report Date: 06/03/2022

		Male				Female							
#Skin:													
Squamous Cell Papilloma or Papilloma													
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	2/150 (1.33%)		Mean 1.33%		SD 1.15%		Total 1/200 (0.5%)		Mean 0.5%		SD 1%	
.....													
#Skin:													
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma													
		3/50	(6%)	9/50	(18%)	2/50	(4%)	0/50	(0%)	2/50	(4%)	1/50	(2%)
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	14/150 (9.33%)		Mean 9.33%		SD 7.57%		Total 3/200 (1.5%)		Mean 1.5%		SD 1.91%	
.....													
#Skin:													
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma													
		3/50	(6%)	9/50	(18%)	1/50	(2%)	0/50	(0%)	2/50	(4%)	1/50	(2%)
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	13/150 (8.67%)		Mean 8.67%		SD 8.33%		Total 3/200 (1.5%)		Mean 1.5%		SD 1.91%	
.....													
#Skin:													
Trichoepithelioma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 1/200 (0.5%)		Mean 0.5%		SD 1%	
.....													
#Skin: Sebaceous Gland:													
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%)				
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total 0/200 (0%)		Mean 0%		SD 0%	

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

Version: 2006
 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: 130
 Report Date: 06/03/2022

		Male				Female			
#Skin: Sebaceous Gland: Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/200 (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%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/200 (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%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/200 (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%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Spleen: Leiomyosarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

		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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Stomach, Forestomach:											
Squamous Cell Carcinoma or Papilloma 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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#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%)				
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Stomach, Glandular:													
Carcinoma													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
#Stomach, Glandular:													
Carcinoma or Adenoma													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
#Stomach, Glandular:													
Leiomyosarcoma													
		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 0/200 (0%)		Mean 0%		SD 0%	
.....													
#Stomach, Glandular:													
Lipoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
								0/50	(0%)				
								0/50	(0%)				
Overall Incidence	Total	0/150 (0%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%	
.....													
*Testes:													
Adenoma													
		44/50	(88%)	44/50	(88%)	40/50	(80%)						
Overall Incidence	Total	128/150 (85.33%)		Mean 85.33%		SD 4.62%							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Thymus:													
Sarcoma													
		0/45	(0%)	0/49	(0%)	0/49	(0%)	0/45	(0%)	0/48	(0%)	0/48	(0%)
								0/48	(0%)				
Overall Incidence	Total	0/143 (0%)		Mean 0%		SD 0%		Total 0/189 (0%)		Mean 0%		SD 0%	
.....													
*Thymus:													
Thymoma Benign													
		0/45	(0%)	0/49	(0%)	0/49	(0%)	0/45	(0%)	0/48	(0%)	0/48	(0%)
								0/48	(0%)				
Overall Incidence	Total	0/143 (0%)		Mean 0%		SD 0%		Total 0/189 (0%)		Mean 0%		SD 0%	
.....													
*Thymus:													
Thymoma Malignant													
		0/45	(0%)	0/49	(0%)	0/49	(0%)	0/45	(0%)	0/48	(0%)	0/48	(0%)
								1/48	(2%)				
Overall Incidence	Total	0/143 (0%)		Mean 0%		SD 0%		Total 1/189 (0.53%)		Mean 0.52%		SD 1.04%	
.....													
*Thymus:													
Thymoma: Benign, Malignant, NOS													
		0/45	(0%)	0/49	(0%)	0/49	(0%)	0/45	(0%)	0/48	(0%)	0/48	(0%)
								1/48	(2%)				
Overall Incidence	Total	0/143 (0%)		Mean 0%		SD 0%		Total 1/189 (0.53%)		Mean 0.52%		SD 1.04%	
.....													
*Thyroid Gland: C-Cell:													
Adenoma													
		8/50	(16%)	6/50	(12%)	9/50	(18%)	11/50	(22%)	5/50	(10%)	3/50	(6%)
								2/49	(4%)				
Overall Incidence	Total	23/150 (15.33%)		Mean 15.33%		SD 3.06%		Total 21/199 (10.55%)		Mean 10.52%		SD 8.04%	
.....													

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Thyroid Gland: C-Cell: Carcinoma									
		2/50 (4%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 1/49 (2%)	0/50 (0%)	2/50 (4%)	
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	3/199 (1.51%)	Mean 1.51%	SD 1.92%	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma									
		10/50 (20%)	6/50 (12%)	10/50 (20%)		11/50 (22%) 3/49 (6%)	5/50 (10%)	5/50 (10%)	
Overall Incidence	Total	26/150 (17.33%)	Mean 17.33%	SD 4.62%	Total	24/199 (12.06%)	Mean 12.03%	SD 6.89%	
*Thyroid Gland: Follicular Cell: Adenoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%) 0/49 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/199 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: Follicular Cell: Carcinoma									
		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%) 0/49 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma									
		2/50 (4%)	1/50 (2%)	1/50 (2%)		1/50 (2%) 0/49 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 135
 Report Date: 06/03/2022

		Male				Female					
#Tissue NOS:											
Fibrosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#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%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

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

Version: 2006
 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: 136
 Report Date: 06/03/2022

		Male				Female					
#Tongue:											
Liposarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Tongue:											
Squamous Cell Carcinoma or Papilloma Squamous											
		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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Tongue:											
Squamous Cell Papilloma											
		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%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	
.....											
#Tooth:											
Odontogenic Tumor											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
						0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%	SD 0%	

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

		Male				Female								
*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%)			
						0/50	(0%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(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%)	0/50	(0%)	0/50	(0%)			
						1/50	(2%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	1/200	(0.5%)	Mean	0.5%	SD	1%
.....														
*Urinary Bladder:														
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%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
*Urinary Bladder:														
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%)			
						1/50	(2%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	1/200	(0.5%)	Mean	0.5%	SD	1%
.....														
*Urinary 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%)			
						0/50	(0%)							
Overall Incidence	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 138
 Report Date: 06/03/2022

	Male	Female
#Uterus: Adenoma		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%
#Uterus: Carcinoma		
	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total 1/200 (0.5%)	Mean 0.5% SD 1%
#Uterus: Hemangioma		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%
#Uterus: Leiomyoma		
	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total 1/200 (0.5%)	Mean 0.5% SD 1%
#Uterus: Leiomyosarcoma		
	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total 1/200 (0.5%)	Mean 0.5% SD 1%

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

Version: 2006

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: 139

Report Date: 06/03/2022

	Male	Female
#Uterus: Polyp Stromal		
	7/50 (14%) 11/50 (22%)	7/50 (14%) 7/50 (14%)
Overall Incidence	Total 32/200 (16%)	Mean 16% SD 4%
#Uterus: Sarcoma		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%
#Uterus: Sarcoma Stromal		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%
#Uterus: Sarcoma Stromal or Polyp Stromal		
	7/50 (14%) 11/50 (22%)	7/50 (14%) 7/50 (14%)
Overall Incidence	Total 32/200 (16%)	Mean 16% SD 4%
#Uterus: Schwannoma Malignant		
	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
Overall Incidence	Total 1/200 (0.5%)	Mean 0.5% SD 1%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

				Male		Female			
#Vagina:									
Leiomyoma									
				0/50	(0%)	0/50	(0%)	0/50	(0%)
				0/50	(0%)				
Overall Incidence				Total	0/200 (0%)	Mean 0%		SD 0%	
.....									
#Vagina:									
Leiomyosarcoma									
				0/50	(0%)	0/50	(0%)	0/50	(0%)
				0/50	(0%)				
Overall Incidence				Total	0/200 (0%)	Mean 0%		SD 0%	
.....									
#Vagina:									
Polyp									
				0/50	(0%)	0/50	(0%)	0/50	(0%)
				0/50	(0%)				
Overall Incidence				Total	0/200 (0%)	Mean 0%		SD 0%	
.....									
#Vagina:									
Sarcoma									
				0/50	(0%)	0/50	(0%)	0/50	(0%)
				0/50	(0%)				
Overall Incidence				Total	0/200 (0%)	Mean 0%		SD 0%	
.....									
#Zymbal's Gland:									
Adenoma									
		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	1/200 (0.5%)
								Mean	0.5%
								SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 141

Report Date: 06/03/2022

		Male				Female			
#Zymbal's 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%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
#Zymbal's Gland:									
Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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	058812403	01/18/96	733	50(5)	27(667)	502.3	Indium phosphide
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	050511002	03/28/96	733	49(5)	24(681)	507.1	Naphthalene
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	058812403	01/18/96	735	50(5)	34(682)	337.2	Indium phosphide
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	050511002	03/28/96	734	49(5)	28(700)	325.2	Naphthalene
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

		Male				Female			
#All Organs:									
Benign Tumors									
		48/50 (96%)	47/50 (94%)	49/50 (98%)	44/50 (88%)	46/50 (92%)	43/50 (86%)		
		47/50 (94%)	50/50 (100%)	48/50 (96%)	44/50 (88%)	44/50 (88%)	43/50 (86%)		
		46/49 (94%)	50/50 (100%)	50/50 (100%)	38/49 (78%)	41/50 (82%)	37/50 (74%)		
		48/50 (96%)			41/50 (82%)				
Overall Incidence	Total	483/499 (96.79%)	Mean 96.79%	SD 2.55%	Total	421/499 (84.37%)	Mean 84.36%	SD 5.46%	
.....									
#All Organs:									
Malignant Tumors									
		36/50 (72%)	27/50 (54%)	29/50 (58%)	24/50 (48%)	25/50 (50%)	17/50 (34%)		
		26/50 (52%)	31/50 (62%)	32/50 (64%)	25/50 (50%)	22/50 (44%)	25/50 (50%)		
		34/49 (69%)	35/50 (70%)	33/50 (66%)	26/49 (53%)	33/50 (66%)	30/50 (60%)		
		28/50 (56%)			28/50 (56%)				
Overall Incidence	Total	311/499 (62.32%)	Mean 62.34%	SD 7.1%	Total	255/499 (51.1%)	Mean 51.11%	SD 8.73%	
.....									
#All Organs:									
Malignant and Benign Tumors									
		50/50 (100%)	49/50 (98%)	50/50 (100%)	50/50 (100%)	49/50 (98%)	46/50 (92%)		
		49/50 (98%)	50/50 (100%)	50/50 (100%)	49/50 (98%)	46/50 (92%)	46/50 (92%)		
		48/49 (98%)	50/50 (100%)	50/50 (100%)	44/49 (90%)	49/50 (98%)	44/50 (88%)		
		50/50 (100%)			47/50 (94%)				
Overall Incidence	Total	496/499 (99.4%)	Mean 99.4%	SD 0.97%	Total	470/499 (94.19%)	Mean 94.18%	SD 4.07%	
.....									
#All Organs:									
Hemangioma									
		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%)	1/50 (2%)		
		0/49 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	Total	2/499 (0.4%)	Mean 0.4%	SD 0.85%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)
		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%)		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	Total	2/499 (0.4%)	Mean 0.4%	SD 0.85%	
.....									
#All Organs:									
Hemangiosarcoma or Hemangioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/49 (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%)			
Overall Incidence	Total	2/499 (0.4%)	Mean 0.4%	SD 0.84%	Total	4/499 (0.8%)	Mean 0.81%	SD 1.42%	
.....									
#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%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	2/499 (0.4%)	Mean 0.4%	SD 0.84%	Total	5/499 (1%)	Mean 1%	SD 1.7%	
.....									
#All Organs:									
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated									
		26/50 (52%)	19/50 (38%)	22/50 (44%)		12/50 (24%)	11/50 (22%)	10/50 (20%)	
		16/50 (32%)	25/50 (50%)	26/50 (52%)		14/50 (28%)	14/50 (28%)	18/50 (36%)	
		26/49 (53%)	33/50 (66%)	25/50 (50%)		16/49 (33%)	24/50 (48%)	26/50 (52%)	
		22/50 (44%)				21/50 (42%)			
Overall Incidence	Total	240/499 (48.1%)	Mean 48.11%	SD 9.29%	Total	166/499 (33.27%)	Mean 33.27%	SD 11.04%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#All Organs:															
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type															
		0/50	(0%)	0/50	(0%)	0/50	(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%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 0%		SD 0%	
#All Organs:															
Mesothelioma: Benign															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/49	(4%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	2/499 (0.4%)		Mean 0.41%		SD 1.29%		Total		0/499 (0%)		Mean 0%		SD 0%	
#All Organs:															
Mesothelioma: Benign, Malignant, NOS															
		3/50	(6%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/49	(4%)	2/50	(4%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(2%)					0/50	(0%)						
Overall Incidence	Total	14/499 (2.81%)		Mean 2.81%		SD 1.94%		Total		0/499 (0%)		Mean 0%		SD 0%	
#All Organs:															
Mesothelioma: Malignant															
		3/50	(6%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)	2/50	(4%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(2%)					0/50	(0%)						
Overall Incidence	Total	12/499 (2.4%)		Mean 2.4%		SD 2.07%		Total		0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (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%)
		3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	1/50	(2%)	2/50	(4%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)					0/50	(0%)				
Overall Incidence	Total	9/499 (1.8%)		Mean 1.8%		SD 1.99%		Total 1/499 (0.2%)		Mean 0.2%		SD 0.63%	
#All Organs:													
Osteosarcoma or Osteoma													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	1/50	(2%)	2/50	(4%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)					0/50	(0%)				
Overall Incidence	Total	9/499 (1.8%)		Mean 1.8%		SD 1.99%		Total 1/499 (0.2%)		Mean 0.2%		SD 0.63%	
*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%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	2/50	(4%)
		2/49	(4%)	0/50	(0%)	0/50	(0%)	1/49	(2%)	2/49	(4%)	0/50	(0%)
		0/50	(0%)					0/49	(0%)				
Overall Incidence	Total	2/499 (0.4%)		Mean 0.41%		SD 1.29%		Total 6/496 (1.21%)		Mean 1.22%		SD 1.71%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)	0/50 (0%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	1/50 (2%)	
		0/50 (0%)				0/49 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	2/496 (0.4%)	Mean 0.4%	SD 0.85%	
.....									
*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%)	0/50 (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%)		0/48 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/49 (0%)			
Overall Incidence	Total	0/498 (0%)	Mean 0%	SD 0%	Total	0/495 (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%)	2/50 (4%)
		10/50 (20%)	8/50 (16%)	8/50 (16%)		2/50 (4%)	3/50 (6%)	1/49 (2%)	1/49 (2%)
		4/49 (8%)	12/50 (24%)	5/50 (10%)		3/48 (6%)	2/49 (4%)	2/50 (4%)	2/50 (4%)
		4/50 (8%)				2/49 (4%)			
Overall Incidence	Total	77/498 (15.46%)	Mean 15.44%	SD 5.86%	Total	19/495 (3.84%)	Mean 3.85%	SD 1.52%	
.....									
*Adrenal Medulla:									
 Pheochromocytoma Complex									
		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%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/49 (0%)			
Overall Incidence	Total	0/498 (0%)	Mean 0%	SD 0%	Total	1/495 (0.2%)	Mean 0.2%	SD 0.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Adrenal Medulla:									
 Pheochromocytoma Malignant									
		1/50 (2%)	2/49 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		1/49 (2%)	2/50 (4%)	1/50 (2%)	0/48 (0%)	0/49 (0%)	0/49 (0%)	1/50 (2%)	1/50 (2%)
		1/50 (2%)			0/49 (0%)				
Overall Incidence	Total	11/498 (2.21%)	Mean 2.21%	SD 1.49%	Total	2/495 (0.4%)	Mean 0.4%	SD 0.84%	
.....									
*Adrenal Medulla:									
 Pheochromocytoma: Benign, Complex, Malignant, NOS									
		7/50 (14%)	8/49 (16%)	13/50 (26%)	3/50 (6%)	1/50 (2%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		10/50 (20%)	8/50 (16%)	10/50 (20%)	2/50 (4%)	3/50 (6%)	1/49 (2%)	1/49 (2%)	1/49 (2%)
		5/49 (10%)	14/50 (28%)	6/50 (12%)	3/48 (6%)	2/49 (4%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
		5/50 (10%)			2/49 (4%)				
Overall Incidence	Total	86/498 (17.27%)	Mean 17.25%	SD 6.24%	Total	22/495 (4.44%)	Mean 4.45%	SD 1.6%	
.....									
#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%)
		0/50 (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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/499 (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%)
		0/50 (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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/499 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Route: INHALATION

Vehicle: AIR

		Male				Female							
#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%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	
.....													
#Bone:													
Osteosarcoma													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	1/50	(2%)	2/50	(4%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)					0/50	(0%)				
Overall Incidence	Total	9/499 (1.8%)		Mean 1.8%		SD 1.99%		Total 1/499 (0.2%)		Mean 0.2%		SD 0.63%	
.....													
#Bone:													
Osteosarcoma or Osteoma													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	1/50	(2%)	2/50	(4%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)					0/50	(0%)				
Overall Incidence	Total	9/499 (1.8%)		Mean 1.8%		SD 1.99%		Total 1/499 (0.2%)		Mean 0.2%		SD 0.63%	
.....													
*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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/49	(0%)	0/50	(0%)	1/50	(2%)	0/49	(0%)	0/49	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	1/498 (0.2%)		Mean 0.2%		SD 0.63%		Total 1/497 (0.2%)		Mean 0.2%		SD 0.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/498 (0%)		Mean 0%		SD 0%		Total 2/497 (0.4%)		Mean 0.4%		SD 0.84%	
.....													
*Brain:													
Granular Cell Tumor Benign													
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/498 (0%)		Mean 0%		SD 0%		Total 0/497 (0%)		Mean 0%		SD 0%	
.....													
*Brain:													
Granular Cell Tumor Malignant													
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/498 (0%)		Mean 0%		SD 0%		Total 0/497 (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%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	1/498 (0.2%)		Mean 0.2%		SD 0.63%		Total 0/497 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*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%)	0/50 (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%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/498 (0%)	Mean 0%	SD 0%	Total	0/497 (0%)	Mean 0%	SD 0%	
.....									
*Brain:									
Meningioma: Benign, Malignant, NOS									
		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%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/498 (0%)	Mean 0%	SD 0%	Total	0/497 (0%)	Mean 0%	SD 0%	
.....									
*Brain:									
Oligodendroglioma 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%)	0/50 (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%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/498 (0%)	Mean 0%	SD 0%	Total	0/497 (0%)	Mean 0%	SD 0%	
.....									
*Brain:									
Oligodendroglioma 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%)	0/50 (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%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/498 (0%)	Mean 0%	SD 0%	Total	2/497 (0.4%)	Mean 0.4%	SD 0.84%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Brain:													
Oligodendroglioma, Glioma, or Astrocytoma													
		0/50	(0%)	0/50	(0%)	0/49	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	2/50	(4%)
		0/49	(0%)	0/50	(0%)	1/50	(2%)	0/49	(0%)	0/49	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	1/498 (0.2%)		Mean 0.2%		SD 0.63%		Total 5/497 (1.01%)		Mean 1%		SD 1.7%	
*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%)	0/50	(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%)					0/50	(0%)				
Overall Incidence	Total	0/498 (0%)		Mean 0%		SD 0%		Total 0/497 (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%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	5/49	(10%)	0/50	(0%)	0/50	(0%)
		3/48	(6%)	1/50	(2%)	0/50	(0%)	4/49	(8%)	1/50	(2%)	0/49	(0%)
		0/50	(0%)					2/50	(4%)				
Overall Incidence	Total	5/496 (1.01%)		Mean 1.03%		SD 2.02%		Total 21/495 (4.24%)		Mean 4.3%		SD 5.65%	
*Clitoral/Preputial Gland:													
Carcinoma													
		0/50	(0%)	0/50	(0%)	0/48	(0%)	2/50	(4%)	1/48	(2%)	0/50	(0%)
		2/50	(4%)	1/50	(2%)	2/50	(4%)	0/49	(0%)	1/50	(2%)	1/50	(2%)
		3/48	(6%)	1/50	(2%)	0/50	(0%)	0/49	(0%)	2/50	(4%)	1/49	(2%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	9/496 (1.81%)		Mean 1.82%		SD 2.25%		Total 8/495 (1.62%)		Mean 1.61%		SD 1.58%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Clitoral/Preputial Gland:									
 Carcinoma or Adenoma									
		0/50 (0%)	0/50 (0%)	0/48 (0%)		3/50 (6%)	9/48 (19%)	0/50 (0%)	
		3/50 (6%)	1/50 (2%)	2/50 (4%)		5/49 (10%)	1/50 (2%)	1/50 (2%)	
		6/48 (13%)	2/50 (4%)	0/50 (0%)		4/49 (8%)	3/50 (6%)	1/49 (2%)	
		0/50 (0%)				2/50 (4%)			
Overall Incidence	Total	14/496 (2.82%)	Mean 2.85%	SD 4.04%	Total	29/495 (5.86%)	Mean 5.92%	SD 5.5%	
.....									
*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%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	1/50 (2%)	
		0/48 (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	0/496 (0%)	Mean 0%	SD 0%	Total	1/495 (0.2%)	Mean 0.2%	SD 0.63%	
.....									
*Clitoral/Preputial Gland:									
 Hemangiosarcoma									
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/48 (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	0/496 (0%)	Mean 0%	SD 0%	Total	0/495 (0%)	Mean 0%	SD 0%	
.....									
*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%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/48 (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	0/496 (0%)	Mean 0%	SD 0%	Total	0/495 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Clitoral/Preputial Gland:													
Schwannoma Malignant													
		0/50	(0%)	0/50	(0%)	0/48	(0%)	0/50	(0%)	0/48	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/48	(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	0/496 (0%)		Mean 0%		SD 0%		Total 0/495 (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%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/48	(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	0/496 (0%)		Mean 0%		SD 0%		Total 0/495 (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%)	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%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	
#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%)	0/50	(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%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	
.....														
#Eye:														
Melanoma Malignant														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(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%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	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%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)	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%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 0%		SD 0%	
.....															
*Heart:															
Schwannoma Benign															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		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%)	0/49	(0%)	0/50	(0%)	0/49	(0%)		
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total		0/498 (0%)		Mean 0%		SD 0%	
.....															
*Heart:															
Schwannoma Malignant															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	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%)	0/49	(0%)		
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total		0/498 (0%)		Mean 0%		SD 0%	
.....															
#Intestine Large: Colon/Rectum:															
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%)	0/50	(0%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Intestine Large: Colon/Rectum:															
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%)				
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 0%		SD 0%	
#Intestine Large: Colon/Rectum:															
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%)	0/50	(0%)	0/50	(0%)				
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 0%		SD 0%	
#Intestine Large: Colon/Rectum:															
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%)				
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 0%		SD 0%	
#Intestine Large: Colon/Rectum:															
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%)	0/50	(0%)	0/50	(0%)				
		0/49	(0%)	1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total		0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

Page: 158
 Report Date: 06/03/2022

		Male				Female								
#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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		1/50	(2%)					0/50	(0%)					
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	0/499 (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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	
.....														
#Intestine Small: Jejunum:														
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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	
.....														
#Intestine Small: Site Unspecified:														
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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		1/50	(2%)					0/50	(0%)					
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Intestine Small: Site Unspecified:											
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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		1/50	(2%)					0/50	(0%)		
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total		0/499 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Intestine Small: Site Unspecified:											
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%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Intestine Small: Site Unspecified:											
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%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (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%)	1/50	(2%)	0/50	(0%)
		2/49	(4%)	4/50	(8%)	3/50	(6%)	1/49	(2%)	0/49	(0%)
		1/50	(2%)					1/49	(2%)		
Overall Incidence	Total	26/499 (5.21%)		Mean 5.21%		SD 2.7%		Total		10/496 (2.02%)	
								Mean		2.01%	
								SD		1.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Islets, Pancreatic:									
Carcinoma									
		2/50 (4%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		2/50 (4%)	4/50 (8%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		4/49 (8%)	0/50 (0%)	1/50 (2%)	1/49 (2%)	1/49 (2%)	0/49 (0%)		
		1/50 (2%)			1/49 (2%)				
Overall Incidence	Total	20/499 (4.01%)	Mean 4.02%	SD 3.01%	Total	5/496 (1.01%)	Mean 1.01%	SD 1.07%	
.....									
*Islets, Pancreatic:									
Carcinoma or Adenoma									
		3/50 (6%)	7/50 (14%)	6/50 (12%)	2/50 (4%)	2/50 (4%)	1/50 (2%)		
		3/50 (6%)	7/50 (14%)	4/50 (8%)	1/50 (2%)	0/50 (0%)	3/50 (6%)		
		6/49 (12%)	4/50 (8%)	4/50 (8%)	2/49 (4%)	1/49 (2%)	1/49 (2%)		
		2/50 (4%)			2/49 (4%)				
Overall Incidence	Total	46/499 (9.22%)	Mean 9.22%	SD 3.57%	Total	15/496 (3.02%)	Mean 3.02%	SD 1.71%	
.....									
*Kidney: Pelvis and Transitional Epithelium:									
Carcinoma									
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)		
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	3/499 (0.6%)	Mean 0.6%	SD 0.97%	Total	0/495 (0%)	Mean 0%	SD 0%	
.....									
*Kidney: Pelvis and Transitional Epithelium:									
Carcinoma or Adenoma									
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)		
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	3/499 (0.6%)	Mean 0.6%	SD 0.97%	Total	0/495 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Kidney: Pelvis and Transitional Epithelium:									
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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/495 (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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/49 (0%)	1/50 (2%)	0/50 (0%)		0/48 (0%)	0/49 (0%)	0/49 (0%)	
		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	4/499 (0.8%)	Mean 0.8%	SD 1.03%	Total	0/495 (0%)	Mean 0%	SD 0%	
.....									
*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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	1/50 (2%)		1/48 (2%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	2/499 (0.4%)	Mean 0.4%	SD 0.84%	Total	1/495 (0.2%)	Mean 0.21%	SD 0.66%	
.....									
*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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/49 (0%)	1/50 (2%)	1/50 (2%)		1/48 (2%)	0/49 (0%)	0/49 (0%)	
		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	6/499 (1.2%)	Mean 1.2%	SD 1.4%	Total	1/495 (0.2%)	Mean 0.21%	SD 0.66%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*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%)	1/50	(2%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total 1/495 (0.2%)		Mean 0.2%	
										SD 0.63%	
.....											
*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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total 0/495 (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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)	0/49	(0%)
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/495 (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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)	0/49	(0%)
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/495 (0%)		Mean 0%	
										SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)		0/50 (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%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/497 (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%)		0/50 (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%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/497 (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%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	3/50 (6%)	0/50 (0%)		0/49 (0%)	1/49 (2%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	5/499 (1%)	Mean 1%	SD 1.95%	Total	2/497 (0.4%)	Mean 0.4%	SD 0.85%	
.....									
*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%)	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%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.65%	Total	0/497 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Liver:											
Hepatocellular Carcinoma or Hepatoblastoma											
		0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.65%		Total		0/497 (0%)	
								Mean		0%	
								SD		0%	
.....											
*Liver:											
Hepatocellular Carcinoma or 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%)	0/50	(0%)	0/50	(0%)
		2/49	(4%)	3/50	(6%)	0/50	(0%)	0/49	(0%)	1/49	(2%)
		0/50	(0%)					1/50	(2%)	0/49	(0%)
Overall Incidence	Total	6/499 (1.2%)		Mean 1.21%		SD 2.16%		Total		2/497 (0.4%)	
								Mean		0.4%	
								SD		0.85%	
.....											
*Liver:											
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma											
		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%)
		2/49	(4%)	3/50	(6%)	0/50	(0%)	0/49	(0%)	1/49	(2%)
		0/50	(0%)					1/50	(2%)	0/49	(0%)
Overall Incidence	Total	6/499 (1.2%)		Mean 1.21%		SD 2.16%		Total		2/497 (0.4%)	
								Mean		0.4%	
								SD		0.85%	
.....											
*Lung:											
Alveolar/Bronchiolar Adenoma											
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		6/50	(12%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		2/49	(4%)	0/50	(0%)	1/50	(2%)	1/49	(2%)	0/50	(0%)
		4/50	(8%)					0/49	(0%)	0/49	(0%)
Overall Incidence	Total	15/499 (3.01%)		Mean 3.01%		SD 4.03%		Total		3/497 (0.6%)	
								Mean		0.6%	
								SD		0.97%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Lung:									
Alveolar/Bronchiolar Carcinoma									
		1/50 (2%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/50 (2%)	1/50 (2%)		0/49 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
Overall Incidence	Total	6/499 (1.2%)	Mean 1.2%	SD 1.03%	Total	3/497 (0.6%)	Mean 0.6%	SD 0.97%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma									
		2/50 (4%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
		7/50 (14%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		2/49 (4%)	1/50 (2%)	2/50 (4%)		1/49 (2%)	0/50 (0%)	0/49 (0%)	
		4/50 (8%)				0/49 (0%)			
Overall Incidence	Total	21/499 (4.21%)	Mean 4.21%	SD 4.16%	Total	6/497 (1.21%)	Mean 1.2%	SD 1.4%	
.....									
*Lung:									
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%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/497 (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%)	0/50 (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%)				0/49 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/497 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

Page: 166
 Report Date: 06/03/2022

		Male				Female						
*Lung:												
Squamous Cell 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%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)					0/49	(0%)			
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	0/497 (0%)		Mean 0%	SD 0%
.....												
#Lymph Node, Mesenteric:												
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%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)			
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%	SD 0%
.....												
#Lymph Node, Mesenteric:												
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%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)			
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%	SD 0%
.....												
#Lymph Node, Mesenteric:												
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%)	1/50	(2%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)			
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	1/499 (0.2%)		Mean 0.2%	SD 0.63%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total		0/499 (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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					1/50	(2%)		
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total		1/499 (0.2%)	
								Mean		0.2%	
								SD		0.63%	
.....											
#Mammary Gland:											
Carcinoma											
		2/50	(4%)	1/50	(2%)	1/50	(2%)	10/50	(20%)	5/50	(10%)
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	5/50	(10%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	3/49	(6%)	5/50	(10%)
		0/50	(0%)					2/50	(4%)		
Overall Incidence	Total	7/499 (1.4%)		Mean 1.4%		SD 1.65%		Total		40/499 (8.02%)	
								Mean		8.01%	
								SD		5.24%	
.....											
#Mammary Gland:											
Carcinoma or Adenoma											
		2/50	(4%)	2/50	(4%)	1/50	(2%)	10/50	(20%)	5/50	(10%)
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	5/50	(10%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	3/49	(6%)	5/50	(10%)
		0/50	(0%)					3/50	(6%)		
Overall Incidence	Total	8/499 (1.6%)		Mean 1.6%		SD 1.84%		Total		41/499 (8.22%)	
								Mean		8.21%	
								SD		5.11%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Mammary Gland:									
Fibroadenoma									
		0/50 (0%)	2/50 (4%)	1/50 (2%)	24/50 (48%)	25/50 (50%)	20/50 (40%)		
		2/50 (4%)	2/50 (4%)	1/50 (2%)	20/50 (40%)	22/50 (44%)	22/50 (44%)		
		0/49 (0%)	2/50 (4%)	3/50 (6%)	17/49 (35%)	25/50 (50%)	19/50 (38%)		
		2/50 (4%)			16/50 (32%)				
Overall Incidence	Total	15/499 (3.01%)	Mean 3%	SD 1.94%	Total	210/499 (42.08%)	Mean 42.07%	SD 6.23%	
.....									
#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%)	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%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/499 (0%)	Mean 0%	SD 0%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma or Adenoma									
		0/50 (0%)	3/50 (6%)	1/50 (2%)	24/50 (48%)	25/50 (50%)	20/50 (40%)		
		2/50 (4%)	2/50 (4%)	1/50 (2%)	20/50 (40%)	22/50 (44%)	22/50 (44%)		
		0/49 (0%)	2/50 (4%)	3/50 (6%)	17/49 (35%)	25/50 (50%)	19/50 (38%)		
		2/50 (4%)			17/50 (34%)				
Overall Incidence	Total	16/499 (3.21%)	Mean 3.2%	SD 2.15%	Total	211/499 (42.28%)	Mean 42.27%	SD 5.89%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma, Carcinoma, or Adenoma									
		2/50 (4%)	4/50 (8%)	1/50 (2%)	31/50 (62%)	29/50 (58%)	22/50 (44%)		
		2/50 (4%)	4/50 (8%)	1/50 (2%)	20/50 (40%)	26/50 (52%)	24/50 (48%)		
		1/49 (2%)	2/50 (4%)	3/50 (6%)	18/49 (37%)	27/50 (54%)	23/50 (46%)		
		2/50 (4%)			19/50 (38%)				
Overall Incidence	Total	22/499 (4.41%)	Mean 4.4%	SD 2.27%	Total	239/499 (47.9%)	Mean 47.87%	SD 8.56%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Mammary Gland:													
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%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	
.....													
#Mammary Gland:													
Myoepithelioma													
		0/50	(0%)	0/50	(0%)	0/50	(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%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	
.....													
#Mesentery:													
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%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	
.....													
#Mesentery:													
Hemangiosarcoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(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%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
#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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	
.....														
#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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Mesentery:													
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%)		
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.65%		Total	0/499 (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%)	0/50	(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	1/497 (0.2%)		Mean 0.2%		SD 0.63%		Total	0/496 (0%)		Mean 0%	SD 0%	
.....													
*Nose:													
Chondroma													
		0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(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%)
		0/49	(0%)					1/50	(2%)				
Overall Incidence	Total	1/497 (0.2%)		Mean 0.2%		SD 0.63%		Total	2/496 (0.4%)		Mean 0.4%	SD 0.84%	
.....													
*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%)	0/50	(0%)	0/50	(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%)
		0/49	(0%)					0/50	(0%)				
Overall Incidence	Total	0/497 (0%)		Mean 0%		SD 0%		Total	0/496 (0%)		Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*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%)	0/50 (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%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/497 (0%)	Mean 0%	SD 0%	Total	0/496 (0%)	Mean 0%	SD 0%	
.....									
#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%)
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	2/499 (0.4%)	Mean 0.4%	SD 0.84%	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	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%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	Total	2/499 (0.4%)	Mean 0.4%	SD 1.26%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	3/50 (6%)	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%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	3/499 (0.6%)	Mean 0.6%	SD 0.97%	Total	3/499 (0.6%)	Mean 0.6%	SD 1.9%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Oral Mucosa:													
Squamous Cell Carcinoma													
		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%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%
.....													
#Oral Mucosa:													
Squamous Cell 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%)	0/50	(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%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	0/499 (0%)		Mean 0%		SD 0%
.....													
*Ovary:													
Cystadenoma													
						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%)						
Overall Incidence	Total					0/499 (0%)		Mean 0%		SD 0%			
.....													
*Ovary:													
Granulosa Cell Tumor Benign													
						0/50	(0%)	0/50	(0%)	0/50	(0%)		
						1/50	(2%)	0/50	(0%)	0/50	(0%)		
						0/49	(0%)	0/50	(0%)	0/50	(0%)		
						0/50	(0%)						
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male			Female		
*Ovary:						
Granulosa Cell Tumor Malignant						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	1/50 (2%)
		2/49	(4%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)			
Overall Incidence		Total	3/499 (0.6%)	Mean	0.61%	SD 1.37%
.....						
*Ovary:						
Granulosa Cell Tumor: Benign, Malignant, NOS						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		1/50	(2%)	0/50	(0%)	1/50 (2%)
		2/49	(4%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)			
Overall Incidence		Total	4/499 (0.8%)	Mean	0.81%	SD 1.42%
.....						
*Ovary:						
Granulosa-Theca Tumor Malignant						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		1/50	(2%)	0/50	(0%)	0/50 (0%)
		1/49	(2%)	1/50	(2%)	0/50 (0%)
		0/50	(0%)			
Overall Incidence		Total	3/499 (0.6%)	Mean	0.6%	SD 0.97%
.....						
*Ovary:						
Luteoma						
		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%)			
Overall Incidence		Total	0/499 (0%)	Mean	0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
*Ovary:														
Sarcoma														
					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%)								
Overall Incidence					Total	0/499	(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%)				
					0/49	(0%)	0/50	(0%)	0/50	(0%)				
					0/50	(0%)								
Overall Incidence					Total	1/499	(0.2%)	Mean	0.2%	SD	0.63%			
.....														
*Pancreas:														
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%)			
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)			
		0/50	(0%)			0/50	(0%)							
Overall Incidence	Total	2/499 (0.4%)		Mean	0.4%	SD	0.85%	Total	0/497	(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%)	0/50	(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%)							
Overall Incidence	Total	0/499 (0%)		Mean	0%	SD	0%	Total	0/497	(0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Pancreas:											
Carcinoma or 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%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	2/499 (0.4%)		Mean 0.4%		SD 0.85%		Total		0/497 (0%)	
								Mean		0%	
								SD		0%	
.....											
*Pancreas:											
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%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/497 (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%)	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%)		
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/497 (0%)	
								Mean		0%	
								SD		0%	
.....											
*Parathyroid Gland:											
Adenoma											
		0/45	(0%)	0/49	(0%)	0/46	(0%)	0/49	(0%)	0/49	(0%)
		1/44	(2%)	0/49	(0%)	0/47	(0%)	0/40	(0%)	0/46	(0%)
		0/45	(0%)	0/49	(0%)	0/50	(0%)	0/42	(0%)	0/49	(0%)
		0/49	(0%)					0/45	(0%)		
Overall Incidence	Total	1/473 (0.21%)		Mean 0.23%		SD 0.72%		Total		0/461 (0%)	
								Mean		0%	
								SD		0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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%)	0/50 (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%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/499 (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%)	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%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/499 (0%)	Mean 0%	SD 0%	
.....									
#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%)	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%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/499 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Adenoma									
		36/50 (72%)	27/50 (54%)	36/50 (72%)		35/50 (70%)	34/50 (68%)	37/50 (74%)	
		36/49 (73%)	35/50 (70%)	34/49 (69%)		30/50 (60%)	24/49 (49%)	35/50 (70%)	
		31/49 (63%)	35/50 (70%)	38/50 (76%)		23/49 (47%)	30/49 (61%)	27/49 (55%)	
		35/50 (70%)				31/49 (63%)			
Overall Incidence	Total	343/497 (69.01%)	Mean 69.01%	SD 6.22%	Total	306/495 (61.82%)	Mean 61.75%	SD 9.17%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Pituitary Gland: Pars Distalis or Unspecified Site:									
 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%)
		1/49 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)			0/49 (0%)				
Overall Incidence	Total	2/497 (0.4%)	Mean 0.4%	SD 0.85%	Total	1/495 (0.2%)	Mean 0.2%	SD 0.63%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
 Carcinoma or Adenoma									
		36/50 (72%)	27/50 (54%)	36/50 (72%)	36/50 (72%)	34/50 (68%)	37/50 (74%)		
		37/49 (76%)	35/50 (70%)	34/49 (69%)	30/50 (60%)	24/49 (49%)	35/50 (70%)		
		31/49 (63%)	35/50 (70%)	39/50 (78%)	23/49 (47%)	30/49 (61%)	27/49 (55%)		
		35/50 (70%)			31/49 (63%)				
Overall Incidence	Total	345/497 (69.42%)	Mean 69.42%	SD 6.67%	Total	307/495 (62.02%)	Mean 61.95%	SD 9.39%	
.....									
*Pituitary Gland: Pars Intermedia:									
 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%)	0/49 (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%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)			0/49 (0%)				
Overall Incidence	Total	0/497 (0%)	Mean 0%	SD 0%	Total	0/495 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Intermedia:									
 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%)	0/49 (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%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)			0/49 (0%)				
Overall Incidence	Total	0/497 (0%)	Mean 0%	SD 0%	Total	0/495 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Pituitary Gland: Pars Intermedia:													
 Carcinoma or Adenoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)		
		0/50	(0%)					0/49	(0%)				
Overall Incidence	Total	0/497 (0%)		Mean 0%		SD 0%		Total 0/495 (0%)		Mean 0%		SD 0%	
.....													
*Prostate:													
 Adenoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)						
		1/50	(2%)	0/50	(0%)	0/50	(0%)						
		0/49	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)										
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%							
.....													
*Prostate:													
 Carcinoma or Adenoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)						
		1/50	(2%)	0/50	(0%)	0/50	(0%)						
		0/49	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)										
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%							
.....													
*Salivary Glands:													
 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%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/49	(0%)					0/50	(0%)				
Overall Incidence	Total	0/498 (0%)		Mean 0%		SD 0%		Total 0/498 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Salivary Glands:											
Carcinoma or Adenoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(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%)		
Overall Incidence	Total	0/498 (0%)		Mean 0%		SD 0%		Total		0/498 (0%)	
										Mean 0%	
										SD 0%	
.....											
*Salivary Glands:											
Sarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(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%)		
Overall Incidence	Total	0/498 (0%)		Mean 0%		SD 0%		Total		0/498 (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%)	0/50	(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%)		
Overall Incidence	Total	0/498 (0%)		Mean 0%		SD 0%		Total		0/498 (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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)	
										Mean 0%	
										SD 0%	
.....											

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
#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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	2/499 (0.4%)		Mean 0.4%		SD 0.84%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
#Skeletal Muscle:														
Rhabdomyosarcoma or Rhabdomyoma														
		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%)	1/50	(2%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	2/499 (0.4%)		Mean 0.4%		SD 0.84%	
.....														
#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%)	0/50	(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%)	
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	3/499 (0.6%)		Mean 0.6%		SD 0.97%		Total	0/499 (0%)		Mean 0%		SD 0%	
.....														
#Skin:														
Basal Cell Adenoma or Basosquamous Tumor Benign														
		1/50	(2%)	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%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	3/499 (0.6%)		Mean 0.6%		SD 0.97%		Total	0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma									
		1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	4/499 (0.8%)	Mean 0.8%	SD 1.03%	Total	0/499 (0%)	Mean 0%	SD 0%	
.....									
#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%)
		0/50 (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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	
.....									
#Skin:									
Basal Cell Carcinoma or Basosquamous Tumor (malignant or 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%)	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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	
.....									
#Skin:									
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma									
		1/50 (2%)	1/50 (2%)	1/50 (2%)	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%)	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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	4/499 (0.8%)	Mean 0.8%	SD 1.03%	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma									
		5/50 (10%)	3/50 (6%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		4/49 (8%)	2/50 (4%)	1/50 (2%)		1/49 (2%)	0/50 (0%)	1/50 (2%)	
		5/50 (10%)				0/50 (0%)			
Overall Incidence	Total	26/499 (5.21%)	Mean 5.22%	SD 3.31%	Total	4/499 (0.8%)	Mean 0.8%	SD 1.04%	

#Skin:									
Fibroma									
		3/50 (6%)	2/50 (4%)	5/50 (10%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	4/50 (8%)	4/50 (8%)		3/50 (6%)	0/50 (0%)	1/50 (2%)	
		5/49 (10%)	2/50 (4%)	2/50 (4%)		0/49 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)				1/50 (2%)			
Overall Incidence	Total	30/499 (6.01%)	Mean 6.02%	SD 2.86%	Total	6/499 (1.2%)	Mean 1.2%	SD 1.93%	

#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma									
		3/50 (6%)	4/50 (8%)	6/50 (12%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
		2/50 (4%)	5/50 (10%)	5/50 (10%)		3/50 (6%)	0/50 (0%)	1/50 (2%)	
		7/49 (14%)	3/50 (6%)	3/50 (6%)		1/49 (2%)	3/50 (6%)	0/50 (0%)	
		6/50 (12%)				1/50 (2%)			
Overall Incidence	Total	44/499 (8.82%)	Mean 8.83%	SD 3.34%	Total	12/499 (2.4%)	Mean 2.4%	SD 2.27%	

#Skin:									
Fibrosarcoma									
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/49 (4%)	1/50 (2%)	1/50 (2%)		0/49 (0%)	1/50 (2%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	10/499 (2%)	Mean 2.01%	SD 1.35%	Total	2/499 (0.4%)	Mean 0.4%	SD 0.84%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma									
		0/50 (0%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/49 (4%)	1/50 (2%)	1/50 (2%)		1/49 (2%)	2/50 (4%)	0/50 (0%)	
		4/50 (8%)				0/50 (0%)			
Overall Incidence	Total	14/499 (2.81%)	Mean 2.81%	SD 2.16%	Total	6/499 (1.2%)	Mean 1.2%	SD 1.69%	
.....									
#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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
Overall Incidence	Total	3/499 (0.6%)	Mean 0.6%	SD 1.35%	Total	2/499 (0.4%)	Mean 0.4%	SD 0.84%	
.....									
#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%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	1/499 (0.2%)	Mean 0.2%	SD 0.65%	
.....									
#Skin:									
Hemangiopericytoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (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%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/499 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female						
#Skin:												
Hemangiosarcoma												
		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%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)			
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	0/499 (0%)		Mean 0%	SD 0%
.....												
#Skin:												
Keratoacanthoma												
		4/50	(8%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		2/50	(4%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		4/49	(8%)	1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		4/50	(8%)					0/50	(0%)	1/50	(2%)	
Overall Incidence	Total	17/499 (3.41%)		Mean 3.42%		SD 3.43%		Total	1/499 (0.2%)		Mean 0.2%	SD 0.63%
.....												
#Skin:												
Lipoma												
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		1/49	(2%)	1/50	(2%)	2/50	(4%)	0/49	(0%)	0/50	(0%)	
		2/50	(4%)					0/50	(0%)			
Overall Incidence	Total	9/499 (1.8%)		Mean 1.8%		SD 1.48%		Total	0/499 (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%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	1/50	(2%)	
		0/50	(0%)					0/50	(0%)			
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	1/499 (0.2%)		Mean 0.2%	SD 0.63%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Skin:													
Melanoma 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%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	
.....													
#Skin:													
Myxoma													
		0/50	(0%)	0/50	(0%)	0/50	(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%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	
.....													
#Skin:													
Myxosarcoma													
		0/50	(0%)	0/50	(0%)	0/50	(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%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%		SD 0%	
.....													
#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%)	0/50	(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%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total 1/499 (0.2%)		Mean 0.2%		SD 0.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Skin:											
Neurofibroma or 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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)	1/50	(2%)
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 1/499 (0.2%)		Mean 0.2%	
										SD 0.63%	
#Skin:											
Neurofibrosarcoma or Schwannoma (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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total 0/499 (0%)		Mean 0%	
										SD 0%	
#Skin:											
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, 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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total 1/499 (0.2%)		Mean 0.2%	
										SD 0.63%	
#Skin:											
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%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 0/499 (0%)		Mean 0%	
										SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Skin:													
Sarcoma													
		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%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)					0/50	(0%)				
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	2/499 (0.4%)		Mean 0.4%		SD 0.85%
.....													
#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%)	0/50	(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%)	1/50	(2%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%
.....													
#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%)	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%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	0/499 (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%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), 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%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)		0/50 (0%)	
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	2/499 (0.4%)	Mean 0.4%	SD 0.84%	

#Skin:									
Squamous Cell Papilloma									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/50 (2%)	1/50 (2%)		1/49 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	5/499 (1%)	Mean 1%	SD 1.05%	Total	1/499 (0.2%)	Mean 0.2%	SD 0.65%	

#Skin:									
Squamous Cell Papilloma or Papilloma									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/50 (2%)	1/50 (2%)		1/49 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	5/499 (1%)	Mean 1%	SD 1.05%	Total	1/499 (0.2%)	Mean 0.2%	SD 0.65%	

#Skin:									
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma									
		4/50 (8%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		4/49 (8%)	2/50 (4%)	1/50 (2%)		1/49 (2%)	0/50 (0%)	1/50 (2%)	
		5/50 (10%)				0/50 (0%)			
Overall Incidence	Total	22/499 (4.41%)	Mean 4.42%	SD 3.26%	Total	3/499 (0.6%)	Mean 0.6%	SD 0.97%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma									
		4/50 (8%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		4/49 (8%)	2/50 (4%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		5/50 (10%)			0/50 (0%)				
Overall Incidence	Total	22/499 (4.41%)	Mean 4.42%	SD 3.26%	Total	2/499 (0.4%)	Mean 0.4%	SD 0.85%	
.....									
#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%)	0/50 (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%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	Total	0/499 (0%)	Mean 0%	SD 0%	
.....									
#Skin: Sebaceous Gland:									
Adenoma									
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (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%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	1/50 (2%)	3/50 (6%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	8/499 (1.6%)	Mean 1.6%	SD 1.84%	Total	0/499 (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%)	0/50 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Skin: Sebaceous Gland:													
Carcinoma or Adenoma													
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		1/49	(2%)	1/50	(2%)	3/50	(6%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	8/499 (1.6%)		Mean 1.6%		SD 1.84%		Total 1/499 (0.2%)		Mean 0.2%		SD 0.63%	
.....													
*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%)	0/50	(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%)				
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total 0/497 (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%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)	0/50	(0%)	0/50	(0%)	1/49	(2%)	0/49	(0%)		
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total 1/497 (0.2%)		Mean 0.2%		SD 0.65%	
.....													
*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%)	0/50	(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%)				
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total 0/497 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	
#Stomach, Forestomach:														
Squamous Cell Carcinoma or Papilloma 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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

Page: 194
 Report Date: 06/03/2022

		Male				Female									
#Stomach, Forestomach:															
Squamous Cell Papilloma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	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%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 0%		SD 0%	
.....															
#Stomach, Glandular:															
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%)				
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 0%		SD 0%	
.....															
#Stomach, Glandular:															
Carcinoma or Adenoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(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%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (0%)		Mean 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%)	0/50	(0%)	0/50	(0%)				
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total		0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (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%)			
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%	Total	0/499 (0%)	Mean 0%	SD 0%	
.....									
*Testes:									
Adenoma									
		36/50 (72%)	40/50 (80%)	38/50 (76%)					
		40/50 (80%)	42/50 (84%)	33/50 (66%)					
		38/49 (78%)	41/50 (82%)	41/50 (82%)					
		36/50 (72%)							
Overall Incidence	Total	385/499 (77.15%)	Mean 77.16%	SD 5.67%					
.....									
*Thymus:									
Sarcoma									
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/45 (0%)	0/50 (0%)
		0/47 (0%)	0/49 (0%)	0/42 (0%)		0/45 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%)	0/47 (0%)	0/49 (0%)		0/46 (0%)	0/45 (0%)	0/47 (0%)	0/47 (0%)
		0/49 (0%)				0/49 (0%)			
Overall Incidence	Total	0/477 (0%)	Mean 0%	SD 0%	Total	0/470 (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%)	0/50 (0%)
		0/47 (0%)	0/49 (0%)	0/42 (0%)		0/45 (0%)	0/47 (0%)	1/50 (2%)	0/50 (0%)
		0/47 (0%)	0/47 (0%)	0/49 (0%)		0/46 (0%)	0/45 (0%)	0/47 (0%)	0/47 (0%)
		0/49 (0%)				0/49 (0%)			
Overall Incidence	Total	0/477 (0%)	Mean 0%	SD 0%	Total	1/470 (0.21%)	Mean 0.2%	SD 0.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Thymus:									
Thymoma Malignant									
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/45 (0%)	
		0/47 (0%)	0/49 (0%)	0/42 (0%)		0/45 (0%)	0/47 (0%)	0/50 (0%)	
		0/47 (0%)	0/47 (0%)	1/49 (2%)		0/46 (0%)	0/45 (0%)	0/47 (0%)	
		0/49 (0%)				0/49 (0%)			
Overall Incidence	Total	1/477 (0.21%)	Mean 0.2%	SD 0.65%	Total	0/470 (0%)	Mean 0%	SD 0%	
.....									
*Thymus:									
Thymoma: Benign, Malignant, NOS									
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/45 (0%)	
		0/47 (0%)	0/49 (0%)	0/42 (0%)		0/45 (0%)	0/47 (0%)	1/50 (2%)	
		0/47 (0%)	0/47 (0%)	1/49 (2%)		0/46 (0%)	0/45 (0%)	0/47 (0%)	
		0/49 (0%)				0/49 (0%)			
Overall Incidence	Total	1/477 (0.21%)	Mean 0.2%	SD 0.65%	Total	1/470 (0.21%)	Mean 0.2%	SD 0.63%	
.....									
*Thyroid Gland: C-Cell:									
Adenoma									
		3/50 (6%)	7/50 (14%)	2/50 (4%)		3/50 (6%)	5/50 (10%)	0/50 (0%)	
		5/49 (10%)	1/50 (2%)	3/49 (6%)		6/47 (13%)	3/50 (6%)	2/50 (4%)	
		9/46 (20%)	3/50 (6%)	7/50 (14%)		4/47 (9%)	8/49 (16%)	3/49 (6%)	
		1/50 (2%)				2/50 (4%)			
Overall Incidence	Total	41/494 (8.3%)	Mean 8.39%	SD 5.86%	Total	36/492 (7.32%)	Mean 7.37%	SD 4.71%	
.....									
*Thyroid Gland: C-Cell:									
Carcinoma									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	3/50 (6%)	1/50 (2%)	
		1/49 (2%)	2/50 (4%)	0/49 (0%)		3/47 (6%)	1/50 (2%)	1/50 (2%)	
		1/46 (2%)	1/50 (2%)	2/50 (4%)		3/47 (6%)	2/49 (4%)	1/49 (2%)	
		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	9/494 (1.82%)	Mean 1.82%	SD 1.48%	Total	16/492 (3.25%)	Mean 3.29%	SD 2.26%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*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%)		
		6/49 (12%)	3/50 (6%)	3/49 (6%)	8/47 (17%)	4/50 (8%)	3/50 (6%)		
		10/46 (22%)	4/50 (8%)	9/50 (18%)	7/47 (15%)	9/49 (18%)	4/49 (8%)		
		1/50 (2%)			3/50 (6%)				
Overall Incidence	Total	49/494 (9.92%)	Mean 10.01%	SD 6.27%	Total	50/492 (10.16%)	Mean 10.24%	SD 5.75%	
.....									
*Thyroid Gland: Follicular Cell: Adenoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	0/49 (0%)	0/47 (0%)	1/50 (2%)	0/50 (0%)		
		0/46 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)	0/49 (0%)	0/49 (0%)		
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	1/494 (0.2%)	Mean 0.2%	SD 0.63%	Total	1/492 (0.2%)	Mean 0.2%	SD 0.63%	
.....									
*Thyroid Gland: Follicular Cell: Carcinoma									
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	1/50 (2%)	0/49 (0%)	1/47 (2%)	0/50 (0%)	0/50 (0%)		
		0/46 (0%)	1/50 (2%)	1/50 (2%)	1/47 (2%)	0/49 (0%)	0/49 (0%)		
		0/50 (0%)			2/50 (4%)				
Overall Incidence	Total	5/494 (1.01%)	Mean 1%	SD 1.41%	Total	4/492 (0.81%)	Mean 0.83%	SD 1.42%	
.....									
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma									
		2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	1/50 (2%)	0/49 (0%)	1/47 (2%)	1/50 (2%)	0/50 (0%)		
		0/46 (0%)	1/50 (2%)	1/50 (2%)	1/47 (2%)	0/49 (0%)	0/49 (0%)		
		0/50 (0%)			2/50 (4%)				
Overall Incidence	Total	6/494 (1.21%)	Mean 1.2%	SD 1.4%	Total	5/492 (1.02%)	Mean 1.03%	SD 1.44%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

Page: 198
 Report Date: 06/03/2022

		Male				Female								
#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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	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%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

Page: 199
 Report Date: 06/03/2022

		Male				Female								
#Tissue NOS:														
Schwannoma Malignant														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	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%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	0/499 (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%)	0/50	(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%)	
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%	
.....														
#Tongue:														
Squamous Cell Carcinoma or Papilloma Squamous														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(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%)	
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total	2/499 (0.4%)		Mean 0.4%		SD 1.26%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Tongue:															
Squamous Cell 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%)	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%)		
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	1/499 (0.2%)		Mean 0.2%		SD 0.63%		Total		1/499 (0.2%)		Mean 0.2%		SD 0.63%	
#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%)	0/50	(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%)		
		0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	0/499 (0%)		Mean 0%		SD 0%		Total		0/499 (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%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	0/49	(0%)	0/49	(0%)		
		0/49	(0%)					1/50	(2%)						
Overall Incidence	Total	0/497 (0%)		Mean 0%		SD 0%		Total		1/495 (0.2%)		Mean 0.2%		SD 0.63%	
*Urinary Bladder:															
Carcinoma or Papilloma															
		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%)	0/50	(0%)	0/50	(0%)		
		1/48	(2%)	0/50	(0%)	0/50	(0%)	1/48	(2%)	0/49	(0%)	1/49	(2%)		
		0/49	(0%)					1/50	(2%)						
Overall Incidence	Total	2/497 (0.4%)		Mean 0.41%		SD 0.86%		Total		3/495 (0.61%)		Mean 0.61%		SD 0.99%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

Page: 201
 Report Date: 06/03/2022

		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%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	0/49	(0%)	1/49	(2%)
		0/49	(0%)					0/50	(0%)				
Overall Incidence	Total	0/497 (0%)		Mean 0%		SD 0%		Total 2/495 (0.4%)		Mean 0.4%		SD 0.85%	
.....													
*Urinary Bladder:													
Papilloma													
		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%)	0/50	(0%)	0/50	(0%)
		1/48	(2%)	0/50	(0%)	0/50	(0%)	1/48	(2%)	0/49	(0%)	1/49	(2%)
		0/49	(0%)					0/50	(0%)				
Overall Incidence	Total	2/497 (0.4%)		Mean 0.41%		SD 0.86%		Total 2/495 (0.4%)		Mean 0.41%		SD 0.87%	
.....													
*Urinary 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%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	0/49	(0%)	0/49	(0%)
		0/49	(0%)					0/50	(0%)				
Overall Incidence	Total	0/497 (0%)		Mean 0%		SD 0%		Total 0/495 (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%)
								0/49	(0%)	0/50	(0%)	0/50	(0%)
								0/50	(0%)				
Overall Incidence	Total							Total 1/499 (0.2%)		Mean 0.2%		SD 0.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

Page: 202
 Report Date: 06/03/2022

	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%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%		
.....						
#Uterus:						
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%)	1/50 (2%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%		
.....						
#Uterus:						
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%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%		
.....						
#Uterus:						
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%)
		0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%		

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male	Female
#Uterus:		
Polyp Stromal		
	13/50 (26%)	7/50 (14%)
	10/50 (20%)	12/50 (24%)
	15/49 (31%)	5/50 (10%)
	6/50 (12%)	10/50 (20%)
Overall Incidence	Total 93/499 (18.64%)	Mean 18.66% SD 6.79%
#Uterus:		
Sarcoma		
	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 0/499 (0%)	Mean 0% SD 0%
#Uterus:		
Sarcoma Stromal		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	1/50 (2%)
	0/49 (0%)	0/50 (0%)
	0/50 (0%)	1/50 (2%)
Overall Incidence	Total 3/499 (0.6%)	Mean 0.6% SD 0.97%
#Uterus:		
Sarcoma Stromal or Polyp Stromal		
	14/50 (28%)	7/50 (14%)
	10/50 (20%)	13/50 (26%)
	15/49 (31%)	5/50 (10%)
	6/50 (12%)	11/50 (22%)
Overall Incidence	Total 96/499 (19.24%)	Mean 19.26% SD 7.3%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

Page: 204
 Report Date: 06/03/2022

	Male		Female			
#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%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%		
.....						
#Vagina:						
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%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%		
.....						
#Vagina:						
Leiomyosarcoma						
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				
Overall Incidence	Total	1/499 (0.2%)	Mean 0.2%	SD 0.63%		
.....						
#Vagina:						
Polyp						
		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%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				
Overall Incidence	Total	2/499 (0.4%)	Mean 0.4%	SD 1.26%		

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Vagina:									
Sarcoma									
						0/50 (0%)	1/50 (2%)	0/50 (0%)	
						0/50 (0%)	1/50 (2%)	0/50 (0%)	
						0/49 (0%)	1/50 (2%)	0/50 (0%)	
						0/50 (0%)			
Overall Incidence					Total	3/499 (0.6%)	Mean 0.6%	SD 0.97%	
.....									
#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%)	0/50 (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%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/499 (0%)	Mean 0%	SD 0%	Total	0/499 (0%)	Mean 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%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/50 (2%)	0/50 (0%)		2/49 (4%)	2/50 (4%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	3/499 (0.6%)	Mean 0.6%	SD 0.97%	Total	8/499 (1.6%)	Mean 1.61%	SD 1.59%	
.....									
#Zymbal's Gland:									
Carcinoma or Adenoma									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/50 (2%)	0/50 (0%)		2/49 (4%)	2/50 (4%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	3/499 (0.6%)	Mean 0.6%	SD 0.97%	Total	8/499 (1.6%)	Mean 1.61%	SD 1.59%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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	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	055634803	06/06/96	726	100(3)	52(681)	491.2	Citral
Battelle Columbus Laboratory	058812003	12/18/95	729	50(3)	24(659)	496.8	p,p'-Dichlorodiphenyl sulfone
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
Southern Research Institute	050520308	02/08/96	729	60(3)	39(698)	447.3	o-Nitrotoluene
Southern Research Institute	050520507	11/28/95	729	50(3)	31(697)	443.8	p-Nitrotoluene
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	055634803	06/07/96	732	100(5)	75(705)	335.0	Citral
Battelle Columbus Laboratory	058812003	12/19/95	730	50(5)	36(694)	330.5	p,p'-Dichlorodiphenyl sulfone
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
Southern Research Institute	050520308	02/08/96	730	60(5)	47(713)	299.3	o-Nitrotoluene
Southern Research Institute	050520507	11/28/95	729	50(5)	39(702)	295.2	p-Nitrotoluene

		Male			Female		
#All Organs:							
Benign Tumors							
		49/50 (98%)	99/100 (99%)	97/100 (97%)	42/50 (84%)	78/100 (78%)	78/100 (78%)
		42/50 (84%)	49/50 (98%)	50/50 (100%)	37/50 (74%)	43/50 (86%)	48/50 (96%)
		60/60 (100%)	49/50 (98%)		47/60 (78%)	33/50 (66%)	
Overall Incidence	Total	495/510 (97.06%)	Mean 96.75%	SD 5.26%	Total	406/510 (79.61%)	Mean 80.04% SD 8.87%
.....							
#All Organs:							
Malignant Tumors							
		33/50 (66%)	57/100 (57%)	76/100 (76%)	20/50 (40%)	39/100 (39%)	30/100 (30%)
		34/50 (68%)	22/50 (44%)	22/50 (44%)	16/50 (32%)	19/50 (38%)	19/50 (38%)
		37/60 (62%)	33/50 (66%)		24/60 (40%)	22/50 (44%)	
Overall Incidence	Total	314/510 (61.57%)	Mean 60.33%	SD 11.43%	Total	189/510 (37.06%)	Mean 37.62% SD 4.53%
.....							
#All Organs:							
Malignant and Benign Tumors							
		50/50 (100%)	100/100 (100%)	99/100 (99%)	46/50 (92%)	92/100 (92%)	92/100 (92%)
		49/50 (98%)	50/50 (100%)	50/50 (100%)	43/50 (86%)	45/50 (90%)	48/50 (96%)
		60/60 (100%)	50/50 (100%)		54/60 (90%)	43/50 (86%)	
Overall Incidence	Total	508/510 (99.61%)	Mean 99.63%	SD 0.74%	Total	463/510 (90.78%)	Mean 90.5% SD 3.34%
.....							
#All Organs:							
Hemangioma							
		0/50 (0%)	0/100 (0%)	1/100 (1%)	0/50 (0%)	0/100 (0%)	2/100 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/60 (0%)	2/50 (4%)		0/60 (0%)	1/50 (2%)	
Overall Incidence	Total	3/510 (0.59%)	Mean 0.62%	SD 1.41%	Total	3/510 (0.59%)	Mean 0.5% SD 0.93%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#All Organs:									
Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/60 (2%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	3/510 (0.59%)	Mean 0.71%	SD 0.98%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#All Organs:									
Hemangiosarcoma or Hemangioma									
		0/50 (0%)	0/100 (0%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	2/100 (2%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/60 (2%)	2/50 (4%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	6/510 (1.18%)	Mean 1.33%	SD 1.39%	Total	3/510 (0.59%)	Mean 0.5%	SD 0.93%	
.....									
#All Organs:									
Histiocytic Sarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
		1/60 (2%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	1/510 (0.2%)	Mean 0.21%	SD 0.59%	Total	2/510 (0.39%)	Mean 0.5%	SD 1.41%	
.....									
#All Organs:									
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated									
		27/50 (54%)	40/100 (40%)	68/100 (68%)		19/50 (38%)	21/100 (21%)	24/100 (24%)	
		27/50 (54%)	15/50 (30%)	15/50 (30%)		8/50 (16%)	6/50 (12%)	9/50 (18%)	
		30/60 (50%)	24/50 (48%)			21/60 (35%)	13/50 (26%)		
Overall Incidence	Total	246/510 (48.24%)	Mean 46.75%	SD 12.96%	Total	121/510 (23.73%)	Mean 23.75%	SD 9.05%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#All Organs:															
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	1/100	(1%)	1/100	(1%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	2/50	(4%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	2/510 (0.39%)		Mean 0.5%		SD 1.41%		Total		2/510 (0.39%)		Mean 0.25%		SD 0.46%	
#All Organs:															
Mesothelioma: Benign															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
#All Organs:															
Mesothelioma: Benign, Malignant, NOS															
		2/50	(4%)	5/100	(5%)	4/100	(4%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		2/50	(4%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/60	(3%)	5/50	(10%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	22/510 (4.31%)		Mean 4.29%		SD 2.75%		Total		0/510 (0%)		Mean 0%		SD 0%	
#All Organs:															
Mesothelioma: Malignant															
		2/50	(4%)	5/100	(5%)	4/100	(4%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		2/50	(4%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/60	(3%)	5/50	(10%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	22/510 (4.31%)		Mean 4.29%		SD 2.75%		Total		0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#All Organs:									
Osteoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	2/510 (0.39%)	Mean 0.5%	SD 1.41%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#All Organs:									
Osteosarcoma									
		1/50 (2%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	1/100 (1%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/60 (2%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	2/510 (0.39%)	Mean 0.46%	SD 0.85%	Total	2/510 (0.39%)	Mean 0.38%	SD 0.74%	
.....									
#All Organs:									
Osteosarcoma or Osteoma									
		1/50 (2%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	1/100 (1%)	0/100 (0%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/60 (2%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	4/510 (0.78%)	Mean 0.96%	SD 1.48%	Total	2/510 (0.39%)	Mean 0.38%	SD 0.74%	
.....									
*Adrenal Cortex:									
Adenoma									
		0/50 (0%)	0/100 (0%)	2/100 (2%)		0/50 (0%)	1/100 (1%)	2/100 (2%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		2/50 (4%)	5/50 (10%)	1/49 (2%)	
		0/60 (0%)	0/50 (0%)			2/60 (3%)	0/50 (0%)		
Overall Incidence	Total	3/510 (0.59%)	Mean 0.5%	SD 0.93%	Total	13/509 (2.55%)	Mean 2.8%	SD 3.24%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Adrenal Cortex:									
 Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/509 (0%)	Mean 0%	SD 0%	
*Adrenal Medulla:									
 Ganglioneuroma									
		0/50 (0%)	1/100 (1%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/99 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/48 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/49 (0%)		
Overall Incidence	Total	1/510 (0.2%)	Mean 0.12%	SD 0.35%	Total	0/505 (0%)	Mean 0%	SD 0%	
*Adrenal Medulla:									
 Pheochromocytoma Benign									
		8/50 (16%)	5/100 (5%)	10/100 (10%)		0/50 (0%)	1/100 (1%)	3/99 (3%)	
		4/50 (8%)	8/50 (16%)	8/50 (16%)		2/50 (4%)	0/49 (0%)	2/48 (4%)	
		2/60 (3%)	3/50 (6%)			2/60 (3%)	2/49 (4%)		
Overall Incidence	Total	48/510 (9.41%)	Mean 10.04%	SD 5.31%	Total	12/505 (2.38%)	Mean 2.45%	SD 1.82%	
*Adrenal Medulla:									
 Pheochromocytoma Complex									
		0/50 (0%)	0/100 (0%)	1/100 (1%)		0/50 (0%)	1/100 (1%)	0/99 (0%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/49 (0%)	0/48 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/49 (0%)		
Overall Incidence	Total	3/510 (0.59%)	Mean 0.62%	SD 1.41%	Total	1/505 (0.2%)	Mean 0.12%	SD 0.35%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female			
*Adrenal Medulla:								
Pheochromocytoma Malignant								
		0/50 (0%)	0/100 (0%)	0/100 (0%)	0/50 (0%)	2/100 (2%)	0/99 (0%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/48 (2%)	
		2/60 (3%)	0/50 (0%)		0/60 (0%)	0/49 (0%)		
Overall Incidence	Total	4/510 (0.78%)	Mean 0.92%	SD 1.71%	Total	3/505 (0.59%)	Mean 0.51%	SD 0.95%
*Adrenal Medulla:								
Pheochromocytoma: Benign, Complex, Malignant, NOS								
		8/50 (16%)	5/100 (5%)	11/100 (11%)	0/50 (0%)	4/100 (4%)	3/99 (3%)	
		6/50 (12%)	8/50 (16%)	10/50 (20%)	2/50 (4%)	0/49 (0%)	3/48 (6%)	
		4/60 (7%)	3/50 (6%)		2/60 (3%)	2/49 (4%)		
Overall Incidence	Total	55/510 (10.78%)	Mean 11.58%	SD 5.46%	Total	16/505 (3.17%)	Mean 3.09%	SD 2.13%
#Blood Vessel:								
Osteosarcoma								
		0/50 (0%)	0/100 (0%)	0/100 (0%)	0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)		0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%
#Bone:								
Chordoma								
		1/50 (2%)	0/100 (0%)	0/100 (0%)	0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)		0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	Total	0/510 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Bone:													
Osteoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	2/510 (0.39%)		Mean 0.5%		SD 1.41%		Total 0/510 (0%)		Mean 0%		SD 0%	
.....													
#Bone:													
Osteosarcoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	1/100	(1%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		1/60	(2%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	1/510 (0.2%)		Mean 0.21%		SD 0.59%		Total 2/510 (0.39%)		Mean 0.38%		SD 0.74%	
.....													
#Bone:													
Osteosarcoma or Osteoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	1/100	(1%)	0/100	(0%)
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		1/60	(2%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	3/510 (0.59%)		Mean 0.71%		SD 1.45%		Total 2/510 (0.39%)		Mean 0.38%		SD 0.74%	
.....													
*Brain:													
Astrocytoma Malignant													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	1/100	(1%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	1/50	(2%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total 3/510 (0.59%)		Mean 0.62%		SD 0.92%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male					Female								
*Brain:															
 Glioma Malignant															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.25%		SD 0.71%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
*Brain:															
 Granular Cell Tumor Benign															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
*Brain:															
 Granular Cell Tumor Malignant															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	1/50	(2%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.25%		SD 0.71%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
*Brain:															
 Medulloblastoma Mal															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
*Brain:															
Meningioma Malignant															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	1/100	(1%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		1/510 (0.2%)		Mean 0.12%		SD 0.35%	
.....															
*Brain:															
Meningioma: Benign, Malignant, NOS															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	1/100	(1%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		1/510 (0.2%)		Mean 0.12%		SD 0.35%	
.....															
*Brain:															
Oligodendroglioma Benign															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
*Brain:															
Oligodendroglioma Malignant															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Brain:									
Oligodendroglioma, Glioma, or Astrocytoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)	0/50 (0%)	1/100 (1%)	0/100 (0%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/60 (0%)	0/50 (0%)		0/60 (0%)	1/50 (2%)			
Overall Incidence	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	Total	3/510 (0.59%)	Mean 0.62%	SD 0.92%	
.....									
*Brain:									
Sarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)	0/50 (0%)	0/100 (0%)	0/100 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/60 (0%)	0/50 (0%)		0/60 (0%)	0/50 (0%)			
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
*Clitoral/Preputial Gland:									
Adenoma									
		0/50 (0%)	7/100 (7%)	7/100 (7%)	3/50 (6%)	4/99 (4%)	15/98 (15%)		
		3/50 (6%)	0/50 (0%)	2/50 (4%)	1/47 (2%)	5/50 (10%)	8/50 (16%)		
		2/60 (3%)	2/50 (4%)		12/59 (20%)	7/50 (14%)			
Overall Incidence	Total	23/510 (4.51%)	Mean 3.92%	SD 2.79%	Total	55/503 (10.93%)	Mean 10.98%	SD 6.47%	
.....									
*Clitoral/Preputial Gland:									
Carcinoma									
		1/50 (2%)	4/100 (4%)	1/100 (1%)	1/50 (2%)	9/99 (9%)	1/98 (1%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)	3/50 (6%)	2/50 (4%)		
		2/60 (3%)	2/50 (4%)		2/59 (3%)	2/50 (4%)			
Overall Incidence	Total	10/510 (1.96%)	Mean 1.79%	SD 1.79%	Total	20/503 (3.98%)	Mean 3.69%	SD 2.89%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Clitoral/Preputial Gland:									
 Carcinoma or Adenoma									
		1/50 (2%)	11/100 (11%)	8/100 (8%)		4/50 (8%)	13/99 (13%)	16/98 (16%)	
		3/50 (6%)	0/50 (0%)	2/50 (4%)		1/47 (2%)	8/50 (16%)	10/50 (20%)	
		4/60 (7%)	4/50 (8%)			14/59 (24%)	8/50 (16%)		
Overall Incidence	Total	33/510 (6.47%)	Mean 5.71%	SD 3.56%	Total	74/503 (14.71%)	Mean 14.41%	SD 6.77%	
.....									
*Clitoral/Preputial Gland:									
 Fibrosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/99 (0%)	0/98 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/59 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/503 (0%)	Mean 0%	SD 0%	
.....									
*Clitoral/Preputial Gland:									
 Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/99 (0%)	0/98 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/59 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/503 (0%)	Mean 0%	SD 0%	
.....									
*Clitoral/Preputial Gland:									
 Sarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/99 (0%)	0/98 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/59 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/503 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
*Clitoral/Preputial Gland:															
Schwannoma Malignant															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/99	(0%)	0/98	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/47	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	1/50	(2%)			0/59	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.25%		SD 0.71%		Total		0/503 (0%)		Mean 0%		SD 0%	
*Clitoral/Preputial Gland:															
Squamous Cell Papilloma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	1/50	(2%)	0/99	(0%)	0/98	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/47	(0%)	1/50	(2%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/59	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		2/503 (0.4%)		Mean 0.5%		SD 0.93%	
#Ear:															
Neural Crest Tumor															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Eye:															
Amelanotic Melanoma, Benign															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Eye:													
Melanoma Benign													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	1/50	(2%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total 1/510 (0.2%)		Mean 0.25%		SD 0.71%	
.....													
#Eye:													
Melanoma Malignant													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	1/50	(2%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	1/510 (0.2%)		Mean 0.25%		SD 0.71%		Total 0/510 (0%)		Mean 0%		SD 0%	
.....													
#Harderian Gland:													
Adenoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total 0/510 (0%)		Mean 0%		SD 0%	
.....													
#Harderian Gland:													
Carcinoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total 0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Harderian Gland:													
Carcinoma or Adenoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total 0/510 (0%)		Mean 0%		SD 0%	
*Heart:													
Schwannoma Benign													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total 1/510 (0.2%)		Mean 0.25%		SD 0.71%	
*Heart:													
Schwannoma Malignant													
		1/50	(2%)	2/100	(2%)	0/100	(0%)	1/50	(2%)	0/100	(0%)	1/100	(1%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	1/50	(2%)		
Overall Incidence	Total	3/510 (0.59%)		Mean 0.5%		SD 0.93%		Total 3/510 (0.59%)		Mean 0.62%		SD 0.92%	
#Intestine Large: Colon/Rectum:													
Adenoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total 0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Intestine Large: Colon/Rectum:															
Carcinoma															
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Intestine Large: Colon/Rectum:															
Carcinoma or Adenoma															
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Intestine Large: Colon/Rectum:															
Leiomyosarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Intestine Large: Colon/Rectum:															
Polyp Adenomatous															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	1/100	(1%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/60	(2%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.21%		SD 0.59%		Total		1/510 (0.2%)		Mean 0.12%		SD 0.35%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Intestine Small: Jejunum:											
Carcinoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)	
										Mean 0%	
										SD 0%	
#Intestine Small: Jejunum:											
Leiomyoma											
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)	
										Mean 0%	
										SD 0%	
#Intestine Small: Jejunum:											
Sarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		1/510 (0.2%)	
										Mean 0.12%	
										SD 0.35%	
#Intestine Small: Site Unspecified:											
Carcinoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)	
										Mean 0%	
										SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Intestine Small: Site Unspecified:															
Carcinoma or Adenoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Intestine Small: Site Unspecified:															
Leiomyoma															
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Intestine Small: Site Unspecified:															
Sarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	1/100	(1%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		1/510 (0.2%)		Mean 0.12%		SD 0.35%	
*Islets, Pancreatic:															
Adenoma															
		1/50	(2%)	2/100	(2%)	3/99	(3%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
		2/60	(3%)	3/50	(6%)			1/60	(2%)	0/50	(0%)				
Overall Incidence	Total	14/509 (2.75%)		Mean 2.8%		SD 2.32%		Total		1/509 (0.2%)		Mean 0.21%		SD 0.59%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Islets, Pancreatic:									
 Carcinoma									
		0/50 (0%)	0/100 (0%)	0/99 (0%)		0/50 (0%)	2/100 (2%)	0/100 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	0/49 (0%)	
		0/60 (0%)	2/50 (4%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	3/509 (0.59%)	Mean 0.75%	SD 1.49%	Total	4/509 (0.79%)	Mean 0.75%	SD 1.49%	
.....									
*Islets, Pancreatic:									
 Carcinoma or Adenoma									
		1/50 (2%)	2/100 (2%)	3/99 (3%)		0/50 (0%)	2/100 (2%)	0/100 (0%)	
		1/50 (2%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	2/50 (4%)	0/49 (0%)	
		2/60 (3%)	5/50 (10%)			1/60 (2%)	0/50 (0%)		
Overall Incidence	Total	17/509 (3.34%)	Mean 3.55%	SD 3.11%	Total	5/509 (0.98%)	Mean 0.96%	SD 1.48%	
.....									
*Kidney: Pelvis and Transitional Epithelium:									
 Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/49 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/507 (0%)	Mean 0%	SD 0%	Total	0/508 (0%)	Mean 0%	SD 0%	
.....									
*Kidney: Pelvis and Transitional Epithelium:									
 Carcinoma or Adenoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/49 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/507 (0%)	Mean 0%	SD 0%	Total	0/508 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
*Kidney: Pelvis and Transitional Epithelium:													
Papilloma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	1/48	(2%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/507	(0%)	Mean 0%		SD 0%		Total	1/508	(0.2%)	Mean 0.26%		SD 0.74%
*Kidney: Renal Tubule:													
Adenoma													
		1/50	(2%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	1/100	(1%)
		0/50	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	1/507	(0.2%)	Mean 0.25%		SD 0.71%		Total	1/508	(0.2%)	Mean 0.12%		SD 0.35%
*Kidney: Renal Tubule:													
Carcinoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	1/100	(1%)
		0/50	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/507	(0%)	Mean 0%		SD 0%		Total	1/508	(0.2%)	Mean 0.12%		SD 0.35%
*Kidney: Renal Tubule:													
Carcinoma or Adenoma													
		1/50	(2%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	2/100	(2%)
		0/50	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	1/507	(0.2%)	Mean 0.25%		SD 0.71%		Total	2/508	(0.39%)	Mean 0.25%		SD 0.71%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Kidney: Renal Tubule:											
Lipoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/507 (0%)		Mean 0%		SD 0%		Total		0/508 (0%)	
										Mean 0%	
										SD 0%	
.....											
*Kidney: Renal Tubule:											
Liposarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/507 (0%)		Mean 0%		SD 0%		Total		0/508 (0%)	
										Mean 0%	
										SD 0%	
.....											
*Kidney: Renal Tubule:											
Sarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/49	(0%)	1/48	(2%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	1/507 (0.2%)		Mean 0.26%		SD 0.74%		Total		0/508 (0%)	
										Mean 0%	
										SD 0%	
.....											
*Kidney: Renal Tubule:											
Stromal Nephroma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/507 (0%)		Mean 0%		SD 0%		Total		0/508 (0%)	
										Mean 0%	
										SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Liver:											
Cholangiocarcinoma											
		0/50	(0%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	2/510 (0.39%)		Mean 0.38%		SD 0.74%		Total	1/510 (0.2%)		Mean 0.25%
									SD 0.71%		
*Liver:											
Hemangiosarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total	0/510 (0%)		Mean 0%
									SD 0%		
*Liver:											
Hepatocellular Adenoma											
		2/50	(4%)	2/100	(2%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		2/60	(3%)	0/50	(0%)			1/60	(2%)	0/50	(0%)
Overall Incidence	Total	6/510 (1.18%)		Mean 1.17%		SD 1.7%		Total	2/510 (0.39%)		Mean 0.46%
									SD 0.85%		
*Liver:											
Hepatocellular Carcinoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/60	(2%)	1/50	(2%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	4/510 (0.78%)		Mean 0.96%		SD 1.48%		Total	0/510 (0%)		Mean 0%
									SD 0%		

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
*Liver:														
Hepatocellular Carcinoma or Hepatoblastoma														
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)	
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/60	(2%)	1/50	(2%)			0/60	(0%)	0/50	(0%)			
Overall Incidence	Total	4/510 (0.78%)		Mean 0.96%		SD 1.48%		Total	0/510 (0%)		Mean 0%		SD 0%	
*Liver:														
Hepatocellular Carcinoma or Hepatocellular Adenoma														
		2/50	(4%)	2/100	(2%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)	
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		3/60	(5%)	1/50	(2%)			1/60	(2%)	0/50	(0%)			
Overall Incidence	Total	10/510 (1.96%)		Mean 2.12%		SD 2.03%		Total	2/510 (0.39%)		Mean 0.46%		SD 0.85%	
*Liver:														
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma														
		2/50	(4%)	2/100	(2%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)	
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		3/60	(5%)	1/50	(2%)			1/60	(2%)	0/50	(0%)			
Overall Incidence	Total	10/510 (1.96%)		Mean 2.12%		SD 2.03%		Total	2/510 (0.39%)		Mean 0.46%		SD 0.85%	
*Lung:														
Alveolar/Bronchiolar Adenoma														
		4/50	(8%)	4/100	(4%)	3/100	(3%)	4/50	(8%)	6/100	(6%)	2/100	(2%)	
		2/50	(4%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/60	(2%)	1/50	(2%)			1/60	(2%)	0/50	(0%)			
Overall Incidence	Total	17/510 (3.33%)		Mean 3.33%		SD 2.36%		Total	13/510 (2.55%)		Mean 2.21%		SD 3.11%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Lung:											
Alveolar/Bronchiolar Carcinoma											
		0/50	(0%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	1/100	(1%)
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/60	(2%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	4/510 (0.78%)		Mean 0.83%		SD 1.43%		Total		2/510 (0.39%)	
				Mean 0.25%						SD 0.46%	
*Lung:											
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma											
		4/50	(8%)	5/100	(5%)	3/100	(3%)	4/50	(8%)	7/100	(7%)
		2/50	(4%)	4/50	(8%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		2/60	(3%)	1/50	(2%)			1/60	(2%)	0/50	(0%)
Overall Incidence	Total	21/510 (4.12%)		Mean 4.17%		SD 2.78%		Total		15/510 (2.94%)	
				Mean 2.46%						SD 3.3%	
*Lung:											
Carcinoma											
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)	
				Mean 0%						SD 0%	
*Lung:											
Sarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)	
				Mean 0%						SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Lung:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	1/100 (1%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.12%	SD 0.35%	
.....									
#Lymph Node, Mesenteric:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node, Mesenteric:									
Hemangioma									
		0/50 (0%)	0/100 (0%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	1/510 (0.2%)	Mean 0.12%	SD 0.35%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node, Mesenteric:									
Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male						Female							
#Lymph Node, Mesenteric:															
Sarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Mammary Gland:															
Adenoma															
		0/50	(0%)	0/100	(0%)	1/100	(1%)	2/50	(4%)	1/100	(1%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		4/510 (0.78%)		Mean 0.88%		SD 1.46%	
#Mammary Gland:															
Carcinoma															
		0/50	(0%)	0/100	(0%)	2/100	(2%)	0/50	(0%)	1/100	(1%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	4/50	(8%)	2/50	(4%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	1/50	(2%)				
Overall Incidence	Total	2/510 (0.39%)		Mean 0.25%		SD 0.71%		Total		9/510 (1.76%)		Mean 2.12%		SD 2.75%	
#Mammary Gland:															
Carcinoma or Adenoma															
		0/50	(0%)	0/100	(0%)	3/100	(3%)	2/50	(4%)	2/100	(2%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	4/50	(8%)	2/50	(4%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	1/50	(2%)				
Overall Incidence	Total	3/510 (0.59%)		Mean 0.38%		SD 1.06%		Total		13/510 (2.55%)		Mean 3%		SD 2.62%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Mammary Gland:									
Fibroadenoma									
		2/50 (4%)	3/100 (3%)	8/100 (8%)		27/50 (54%)	55/100 (55%)	53/100 (53%)	
		3/50 (6%)	0/50 (0%)	3/50 (6%)		15/50 (30%)	26/50 (52%)	24/50 (48%)	
		0/60 (0%)	0/50 (0%)			23/60 (38%)	14/50 (28%)		
Overall Incidence	Total	19/510 (3.73%)	Mean 3.38%	SD 3.16%	Total	237/510 (46.47%)	Mean 44.79%	SD 11.09%	
.....									
#Mammary Gland:									
Fibroma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma or Adenoma									
		2/50 (4%)	3/100 (3%)	9/100 (9%)		28/50 (56%)	55/100 (55%)	53/100 (53%)	
		3/50 (6%)	0/50 (0%)	3/50 (6%)		16/50 (32%)	26/50 (52%)	24/50 (48%)	
		0/60 (0%)	0/50 (0%)			23/60 (38%)	14/50 (28%)		
Overall Incidence	Total	20/510 (3.92%)	Mean 3.5%	SD 3.38%	Total	239/510 (46.86%)	Mean 45.29%	SD 10.99%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma, Carcinoma, or Adenoma									
		2/50 (4%)	3/100 (3%)	11/100 (11%)		28/50 (56%)	56/100 (56%)	53/100 (53%)	
		3/50 (6%)	0/50 (0%)	3/50 (6%)		16/50 (32%)	28/50 (56%)	25/50 (50%)	
		0/60 (0%)	0/50 (0%)			23/60 (38%)	14/50 (28%)		
Overall Incidence	Total	22/510 (4.31%)	Mean 3.75%	SD 3.88%	Total	243/510 (47.65%)	Mean 46.17%	SD 11.61%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Mammary Gland:									
Hemangioma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	1/100 (1%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.12%	SD 0.35%	
.....									
#Mammary Gland:									
Myoepithelioma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	
.....									
#Mesentery:									
Fibrosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	
.....									
#Mesentery:									
Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	Total	0/510 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Mesentery:											
Lipoma											
		0/50	(0%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Mesentery:											
Liposarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Mesentery:											
Osteosarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Mesentery:											
Rhabdomyosarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)	
								Mean		0%	
								SD		0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Mesentery:													
Sarcoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total 0/510 (0%)		Mean 0%		SD 0%	
.....													
*Nose:													
Adenoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	1/100	(1%)
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	1/509 (0.2%)		Mean 0.25%		SD 0.71%		Total 1/509 (0.2%)		Mean 0.12%		SD 0.35%	
.....													
*Nose:													
Chondroma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/509 (0%)		Mean 0%		SD 0%		Total 0/509 (0%)		Mean 0%		SD 0%	
.....													
*Nose:													
Sarcoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/509 (0%)		Mean 0%		SD 0%		Total 0/509 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Nose:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/509 (0%)	Mean 0%	SD 0%	Total	0/509 (0%)	Mean 0%	SD 0%	
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Papilloma Squamous or Papilloma									
		1/50 (2%)	1/100 (1%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	1/100 (1%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	3/510 (0.59%)	Mean 0.5%	SD 0.76%	Total	2/510 (0.39%)	Mean 0.38%	SD 0.74%	
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma									
		0/50 (0%)	1/100 (1%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	2/510 (0.39%)	Mean 0.25%	SD 0.46%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma									
		1/50 (2%)	2/100 (2%)	2/100 (2%)		0/50 (0%)	0/100 (0%)	1/100 (1%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	2/50 (4%)		
Overall Incidence	Total	5/510 (0.98%)	Mean 0.75%	SD 1.04%	Total	3/510 (0.59%)	Mean 0.62%	SD 1.41%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Oral Mucosa:									
Squamous Cell Carcinoma									
		0/50 (0%)	1/100 (1%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	2/510 (0.39%)	Mean 0.25%	SD 0.46%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Oral Mucosa:									
Squamous Cell Papilloma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	
.....									
*Ovary:									
Cystadenoma									
						0/50 (0%)	1/100 (1%)	0/100 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/60 (0%)	0/50 (0%)		
Overall Incidence	Total				Total	1/510 (0.2%)	Mean 0.12%	SD 0.35%	
.....									
*Ovary:									
Granulosa Cell Tumor Benign									
						0/50 (0%)	0/100 (0%)	0/100 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/60 (0%)	0/50 (0%)		
Overall Incidence	Total				Total	0/510 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 06/03/2022

	Male		Female			
*Ovary:						
Granulosa Cell Tumor Malignant						
		0/50 (0%)	0/100 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%		SD 0%	
.....						
*Ovary:						
Granulosa Cell Tumor: Benign, Malignant, NOS						
		0/50 (0%)	0/100 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%		SD 0%	
.....						
*Ovary:						
Granulosa-Theca Tumor Malignant						
		0/50 (0%)	0/100 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%		SD 0%	
.....						
*Ovary:						
Luteoma						
		0/50 (0%)	0/100 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Ovary:									
Sarcoma									
						0/50 (0%)		0/100 (0%)	
						0/50 (0%)		0/50 (0%)	0/50 (0%)
						0/60 (0%)		0/50 (0%)	
Overall Incidence					Total	0/510 (0%)		Mean 0%	SD 0%
.....									
*Ovary:									
Thecoma Malignant									
						0/50 (0%)		0/100 (0%)	0/100 (0%)
						0/50 (0%)		0/50 (0%)	0/50 (0%)
						0/60 (0%)		0/50 (0%)	
Overall Incidence					Total	0/510 (0%)		Mean 0%	SD 0%
.....									
*Pancreas:									
Adenoma									
		0/50 (0%)	1/100 (1%)	2/100 (2%)		0/50 (0%)		0/100 (0%)	0/100 (0%)
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)		0/50 (0%)	0/49 (0%)
		1/60 (2%)	0/50 (0%)			0/60 (0%)		0/50 (0%)	
Overall Incidence	Total	6/509 (1.18%)	Mean 1.09%	SD 0.96%	Total	0/509 (0%)		Mean 0%	SD 0%
.....									
*Pancreas:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)		0/100 (0%)	0/100 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/49 (0%)
		0/60 (0%)	1/50 (2%)			0/60 (0%)		0/50 (0%)	
Overall Incidence	Total	1/509 (0.2%)	Mean 0.25%	SD 0.71%	Total	0/509 (0%)		Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
*Pancreas:															
 Carcinoma or Adenoma															
		0/50	(0%)	1/100	(1%)	2/100	(2%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	1/49	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
		1/60	(2%)	1/50	(2%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	7/509 (1.38%)		Mean 1.34%		SD 0.9%		Total		0/509 (0%)		Mean 0%		SD 0%	
.....															
*Pancreas:															
 Fibroma															
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/509 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/509 (0%)		Mean 0%		SD 0%	
.....															
*Pancreas:															
 Mixed Tumor Benign															
		1/50	(2%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	2/509 (0.39%)		Mean 0.38%		SD 0.74%		Total		0/509 (0%)		Mean 0%		SD 0%	
.....															
*Parathyroid Gland:															
 Adenoma															
		0/49	(0%)	0/92	(0%)	0/93	(0%)	0/47	(0%)	0/90	(0%)	2/86	(2%)		
		0/46	(0%)	0/47	(0%)	1/48	(2%)	0/45	(0%)	0/49	(0%)	0/50	(0%)		
		0/58	(0%)	0/48	(0%)			0/57	(0%)	0/46	(0%)				
Overall Incidence	Total	1/481 (0.21%)		Mean 0.26%		SD 0.74%		Total		2/470 (0.43%)		Mean 0.29%		SD 0.82%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Peripheral Nerve:									
Sarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Peripheral Nerve:									
Schwannoma Malignant									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Peripheral Nerve:									
Schwannoma: Benign, Malignant, NOS									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Adenoma									
		10/50 (20%)	21/100 (21%)	17/100 (17%)		17/50 (34%)	35/100 (35%)	29/100 (29%)	
		11/50 (22%)	9/50 (18%)	16/49 (33%)		23/50 (46%)	23/50 (46%)	29/48 (60%)	
		11/59 (19%)	15/48 (31%)			19/59 (32%)	15/50 (30%)		
Overall Incidence	Total	110/506 (21.74%)	Mean 22.57%	SD 6.02%	Total	190/507 (37.48%)	Mean 39.08%	SD 10.86%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	2/50 (4%)	0/48 (0%)	
		0/59 (0%)	1/48 (2%)			0/59 (0%)	0/50 (0%)		
Overall Incidence	Total	1/506 (0.2%)	Mean 0.26%	SD 0.74%	Total	2/507 (0.39%)	Mean 0.5%	SD 1.41%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma or Adenoma									
		10/50 (20%)	21/100 (21%)	17/100 (17%)		17/50 (34%)	35/100 (35%)	29/100 (29%)	
		11/50 (22%)	9/50 (18%)	16/49 (33%)		23/50 (46%)	25/50 (50%)	29/48 (60%)	
		11/59 (19%)	16/48 (33%)			19/59 (32%)	15/50 (30%)		
Overall Incidence	Total	111/506 (21.94%)	Mean 22.83%	SD 6.48%	Total	192/507 (37.87%)	Mean 39.58%	SD 11.3%	
.....									
*Pituitary Gland: Pars Intermedia:									
Adenoma									
		0/50 (0%)	0/100 (0%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	2/100 (2%)	
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)	
		0/59 (0%)	0/48 (0%)			1/59 (2%)	0/50 (0%)		
Overall Incidence	Total	2/506 (0.4%)	Mean 0.38%	SD 0.74%	Total	3/507 (0.59%)	Mean 0.46%	SD 0.86%	
.....									
*Pituitary Gland: Pars Intermedia:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)	
		0/59 (0%)	0/48 (0%)			0/59 (0%)	0/50 (0%)		
Overall Incidence	Total	0/506 (0%)	Mean 0%	SD 0%	Total	0/507 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 243

Report Date: 06/03/2022

		Male				Female			
*Pituitary Gland: Pars Intermedia:									
 Carcinoma or Adenoma									
		0/50 (0%)	0/100 (0%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	2/100 (2%)	
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)	
		0/59 (0%)	0/48 (0%)			1/59 (2%)	0/50 (0%)		
Overall Incidence	Total	2/506 (0.4%)	Mean 0.38%	SD 0.74%	Total	3/507 (0.59%)	Mean 0.46%	SD 0.86%	
.....									
*Prostate:									
 Adenoma									
		0/49 (0%)	4/100 (4%)	0/100 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		2/60 (3%)	2/50 (4%)						
Overall Incidence	Total	8/509 (1.57%)	Mean 1.42%	SD 1.97%					
.....									
*Prostate:									
 Carcinoma or Adenoma									
		0/49 (0%)	4/100 (4%)	0/100 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		2/60 (3%)	2/50 (4%)						
Overall Incidence	Total	8/509 (1.57%)	Mean 1.42%	SD 1.97%					
.....									
*Salivary Glands:									
 Carcinoma									
		0/49 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/509 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
*Salivary Glands:															
 Carcinoma or Adenoma															
		0/49	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/509 (0%)		Mean 0%		SD 0%		Total		1/510 (0.2%)		Mean 0.25%		SD 0.71%	
.....															
*Salivary Glands:															
 Sarcoma															
		0/49	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/509 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
*Salivary Glands:															
 Schwannoma Malignant															
		1/49	(2%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	1/50	(2%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	4/509 (0.79%)		Mean 1.01%		SD 1.52%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Skeletal Muscle:															
 Fibrosarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Skeletal Muscle:															
Hemangioma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Skeletal Muscle:															
Hemangiosarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.25%		SD 0.71%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Skeletal Muscle:															
Lipoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	1/100	(1%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			1/60	(2%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		2/510 (0.39%)		Mean 0.33%		SD 0.64%	
.....															
#Skeletal Muscle:															
Rhabdomyosarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Skeletal Muscle:															
Rhabdomyosarcoma or Rhabdomyoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Skeletal Muscle:															
Sarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Skin:															
Basal Cell Adenoma															
		0/50	(0%)	1/100	(1%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		2/60	(3%)	1/50	(2%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	7/510 (1.37%)		Mean 1.42%		SD 1.14%		Total		1/510 (0.2%)		Mean 0.25%		SD 0.71%	
#Skin:															
Basal Cell Adenoma or Basosquamous Tumor Benign															
		0/50	(0%)	1/100	(1%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		2/60	(3%)	1/50	(2%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	7/510 (1.37%)		Mean 1.42%		SD 1.14%		Total		1/510 (0.2%)		Mean 0.25%		SD 0.71%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Skin:													
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma													
		0/50	(0%)	2/100	(2%)	2/100	(2%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		2/50	(4%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
		2/60	(3%)	1/50	(2%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	11/510 (2.16%)		Mean 2.17%		SD 1.17%		Total 2/510 (0.39%)		Mean 0.5%		SD 0.93%	
.....													
#Skin:													
Basal Cell Carcinoma													
		0/50	(0%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total 1/510 (0.2%)		Mean 0.25%		SD 0.71%	
.....													
#Skin:													
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)													
		0/50	(0%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total 1/510 (0.2%)		Mean 0.25%		SD 0.71%	
.....													
#Skin:													
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma													
		0/50	(0%)	3/100	(3%)	2/100	(2%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		2/50	(4%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	2/50	(4%)	1/50	(2%)
		2/60	(3%)	1/50	(2%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	12/510 (2.35%)		Mean 2.29%		SD 1.2%		Total 3/510 (0.59%)		Mean 0.75%		SD 1.49%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma									
		11/50 (22%)	8/100 (8%)	11/100 (11%)		3/50 (6%)	0/100 (0%)	1/100 (1%)	
		6/50 (12%)	2/50 (4%)	3/50 (6%)		0/50 (0%)	2/50 (4%)	2/50 (4%)	
		7/60 (12%)	4/50 (8%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	52/510 (10.2%)	Mean 10.33%	SD 5.49%	Total	8/510 (1.57%)	Mean 1.88%	SD 2.42%	

#Skin:									
Fibroma									
		5/50 (10%)	7/100 (7%)	2/100 (2%)		3/50 (6%)	1/100 (1%)	1/100 (1%)	
		2/50 (4%)	2/50 (4%)	8/50 (16%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		5/60 (8%)	1/50 (2%)			3/60 (5%)	0/50 (0%)		
Overall Incidence	Total	32/510 (6.27%)	Mean 6.67%	SD 4.76%	Total	10/510 (1.96%)	Mean 2.12%	SD 2.23%	

#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma									
		6/50 (12%)	12/100 (12%)	8/100 (8%)		4/50 (8%)	1/100 (1%)	1/100 (1%)	
		4/50 (8%)	2/50 (4%)	8/50 (16%)		1/50 (2%)	1/50 (2%)	1/50 (2%)	
		5/60 (8%)	2/50 (4%)			3/60 (5%)	2/50 (4%)		
Overall Incidence	Total	47/510 (9.22%)	Mean 9.04%	SD 4.13%	Total	14/510 (2.75%)	Mean 3.12%	SD 2.42%	

#Skin:									
Fibrosarcoma									
		0/50 (0%)	6/100 (6%)	2/100 (2%)		1/50 (2%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	8/510 (1.57%)	Mean 1%	SD 2.14%	Total	3/510 (0.59%)	Mean 0.75%	SD 1.04%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma									
		1/50 (2%)	6/100 (6%)	5/100 (5%)		1/50 (2%)	0/100 (0%)	0/100 (0%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	1/50 (2%)			0/60 (0%)	2/50 (4%)		
Overall Incidence	Total	15/510 (2.94%)	Mean 2.38%	SD 2.39%	Total	4/510 (0.78%)	Mean 1%	SD 1.51%	
.....									
#Skin:									
Fibrous Histiocytoma									
		1/50 (2%)	0/100 (0%)	2/100 (2%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	1/50 (2%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	5/510 (0.98%)	Mean 1%	SD 1.07%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Hemangioma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	2/50 (4%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	2/510 (0.39%)	Mean 0.5%	SD 1.41%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Hemangiopericytoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/60 (2%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	2/510 (0.39%)	Mean 0.46%	SD 0.85%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Keratoacanthoma									
		10/50 (20%)	5/100 (5%)	8/100 (8%)		3/50 (6%)	0/100 (0%)	0/100 (0%)	
		3/50 (6%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		5/60 (8%)	2/50 (4%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	35/510 (6.86%)	Mean 6.92%	SD 5.8%	Total	3/510 (0.59%)	Mean 0.75%	SD 2.12%	
.....									
#Skin:									
Lipoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	2/100 (2%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	Total	4/510 (0.78%)	Mean 0.75%	SD 1.04%	
.....									
#Skin:									
Liposarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Skin:															
Melanoma Malignant															
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Skin:															
Myxoma															
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Skin:															
Myxosarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Skin:															
Neural Crest Tumor															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	1/100	(1%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		1/510 (0.2%)		Mean 0.12%		SD 0.35%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Neurofibroma or Schwannoma benign									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
#Skin:									
Neurofibrosarcoma or Schwannoma (malignant or NOS)									
		0/50 (0%)	0/100 (0%)	2/100 (2%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	3/510 (0.59%)	Mean 0.5%	SD 0.93%	Total	0/510 (0%)	Mean 0%	SD 0%	
#Skin:									
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)									
		0/50 (0%)	0/100 (0%)	2/100 (2%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	3/510 (0.59%)	Mean 0.5%	SD 0.93%	Total	0/510 (0%)	Mean 0%	SD 0%	
#Skin:									
Osteosarcoma									
		1/50 (2%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	Total	0/510 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
#Skin:													
Sarcoma													
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	1/50	(2%)		
Overall Incidence	Total	2/510 (0.39%)		Mean 0.38%		SD 0.74%		Total	1/510 (0.2%)		Mean 0.25%		SD 0.71%
#Skin:													
Schwannoma Benign													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total	0/510 (0%)		Mean 0%		SD 0%
#Skin:													
Schwannoma Malignant													
		0/50	(0%)	0/100	(0%)	2/100	(2%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	3/510 (0.59%)		Mean 0.5%		SD 0.93%		Total	0/510 (0%)		Mean 0%		SD 0%
#Skin:													
Squamous Cell Carcinoma													
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)		
Overall Incidence	Total	1/510 (0.2%)		Mean 0.25%		SD 0.71%		Total	0/510 (0%)		Mean 0%		SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Skin:															
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma															
		0/50	(0%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	2/510 (0.39%)		Mean 0.38%		SD 0.74%		Total		1/510 (0.2%)		Mean 0.25%		SD 0.71%	
#Skin:															
Squamous Cell Papilloma															
		1/50	(2%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	1/100	(1%)		
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
		0/60	(0%)	1/50	(2%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	4/510 (0.78%)		Mean 0.88%		SD 0.99%		Total		2/510 (0.39%)		Mean 0.38%		SD 0.74%	
#Skin:															
Squamous Cell Papilloma or Papilloma															
		1/50	(2%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	1/100	(1%)		
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
		0/60	(0%)	1/50	(2%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	4/510 (0.78%)		Mean 0.88%		SD 0.99%		Total		2/510 (0.39%)		Mean 0.38%		SD 0.74%	
#Skin:															
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma															
		11/50	(22%)	5/100	(5%)	9/100	(9%)	3/50	(6%)	0/100	(0%)	1/100	(1%)		
		4/50	(8%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
		5/60	(8%)	3/50	(6%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	40/510 (7.84%)		Mean 8.04%		SD 6.12%		Total		5/510 (0.98%)		Mean 1.12%		SD 2.1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male					Female				
#Skin:										
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma										
		11/50 (22%)	5/100 (5%)	9/100 (9%)		3/50 (6%)	0/100 (0%)	1/100 (1%)		
		4/50 (8%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
		5/60 (8%)	3/50 (6%)			0/60 (0%)	0/50 (0%)			
Overall Incidence	Total	39/510 (7.65%)	Mean 7.79%	SD 6.34%	Total	5/510 (0.98%)	Mean 1.12%	SD 2.1%		
.....										
#Skin:										
Trichoepithelioma										
		0/50 (0%)	1/100 (1%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	0/100 (0%)		
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)			
Overall Incidence	Total	4/510 (0.78%)	Mean 0.75%	SD 0.89%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%		
.....										
#Skin: Sebaceous Gland:										
Adenoma										
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)			
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%		
.....										
#Skin: Sebaceous Gland:										
Carcinoma										
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)			
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%		

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin: Sebaceous Gland:									
Carcinoma or Adenoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
*Spleen:									
Hemangioma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/49 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/509 (0%)	Mean 0%	SD 0%	Total	0/509 (0%)	Mean 0%	SD 0%	
.....									
*Spleen:									
Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/49 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/509 (0%)	Mean 0%	SD 0%	Total	0/509 (0%)	Mean 0%	SD 0%	
.....									
*Spleen:									
Leiomyosarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/49 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/509 (0%)	Mean 0%	SD 0%	Total	0/509 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Stomach, Forestomach:															
Leiomyosarcoma															
		0/50	(0%)	0/100	(0%)	1/100	(1%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Stomach, Forestomach:															
Lipoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Stomach, Forestomach:															
Schwannoma Malignant															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
#Stomach, Forestomach:															
Squamous Cell Carcinoma or Papilloma Squamous															
		0/50	(0%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
#Stomach, Forestomach:															
Squamous Cell Papilloma															
		0/50	(0%)	1/100	(1%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/510 (0.2%)		Mean 0.12%		SD 0.35%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Stomach, Glandular:															
Carcinoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Stomach, Glandular:															
Carcinoma or Adenoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	
.....															
#Stomach, Glandular:															
Leiomyosarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)		Mean 0%		SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Stomach, Glandular:									
Lipoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
.....									
*Testes:									
Adenoma									
		45/50 (90%)	91/100 (91%)	96/100 (96%)					
		41/50 (82%)	48/50 (96%)	46/50 (92%)					
		55/60 (92%)	49/50 (98%)						
Overall Incidence	Total	471/510 (92.35%)	Mean 92.08%	SD 4.97%					
.....									
*Thymus:									
Sarcoma									
		0/48 (0%)	0/87 (0%)	0/97 (0%)		0/50 (0%)	0/92 (0%)	0/96 (0%)	
		0/46 (0%)	0/48 (0%)	0/48 (0%)		0/46 (0%)	0/48 (0%)	0/47 (0%)	
		0/56 (0%)	0/49 (0%)			0/57 (0%)	0/48 (0%)		
Overall Incidence	Total	0/479 (0%)	Mean 0%	SD 0%	Total	0/484 (0%)	Mean 0%	SD 0%	
.....									
*Thymus:									
Thymoma Benign									
		0/48 (0%)	1/87 (1%)	0/97 (0%)		0/50 (0%)	0/92 (0%)	0/96 (0%)	
		0/46 (0%)	0/48 (0%)	0/48 (0%)		0/46 (0%)	0/48 (0%)	0/47 (0%)	
		0/56 (0%)	0/49 (0%)			0/57 (0%)	0/48 (0%)		
Overall Incidence	Total	1/479 (0.21%)	Mean 0.14%	SD 0.41%	Total	0/484 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Thymus:									
Thymoma Malignant									
		0/48 (0%)	0/87 (0%)	0/97 (0%)		0/50 (0%)	1/92 (1%)	0/96 (0%)	
		0/46 (0%)	0/48 (0%)	0/48 (0%)		0/46 (0%)	0/48 (0%)	0/47 (0%)	
		0/56 (0%)	0/49 (0%)			0/57 (0%)	0/48 (0%)		
Overall Incidence	Total	0/479 (0%)	Mean 0%	SD 0%	Total	1/484 (0.21%)	Mean 0.14%	SD 0.38%	
.....									
*Thymus:									
Thymoma: Benign, Malignant, NOS									
		0/48 (0%)	1/87 (1%)	0/97 (0%)		0/50 (0%)	1/92 (1%)	0/96 (0%)	
		0/46 (0%)	0/48 (0%)	0/48 (0%)		0/46 (0%)	0/48 (0%)	0/47 (0%)	
		0/56 (0%)	0/49 (0%)			0/57 (0%)	0/48 (0%)		
Overall Incidence	Total	1/479 (0.21%)	Mean 0.14%	SD 0.41%	Total	1/484 (0.21%)	Mean 0.14%	SD 0.38%	
.....									
*Thyroid Gland: C-Cell:									
Adenoma									
		10/50 (20%)	12/100 (12%)	12/100 (12%)		4/50 (8%)	11/100 (11%)	21/100 (21%)	
		8/50 (16%)	9/48 (19%)	11/47 (23%)		5/50 (10%)	9/49 (18%)	10/47 (21%)	
		10/59 (17%)	11/50 (22%)			9/60 (15%)	6/50 (12%)		
Overall Incidence	Total	83/504 (16.47%)	Mean 17.64%	SD 4.24%	Total	75/506 (14.82%)	Mean 14.58%	SD 5.13%	
.....									
*Thyroid Gland: C-Cell:									
Carcinoma									
		1/50 (2%)	3/100 (3%)	4/100 (4%)		0/50 (0%)	3/100 (3%)	0/100 (0%)	
		0/50 (0%)	1/48 (2%)	0/47 (0%)		2/50 (4%)	0/49 (0%)	1/47 (2%)	
		0/59 (0%)	0/50 (0%)			1/60 (2%)	0/50 (0%)		
Overall Incidence	Total	9/504 (1.79%)	Mean 1.39%	SD 1.6%	Total	7/506 (1.38%)	Mean 1.35%	SD 1.59%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Thyroid Gland: C-Cell: Carcinoma or Adenoma									
		11/50 (22%)	15/100 (15%)	16/100 (16%)		4/50 (8%)	14/100 (14%)	21/100 (21%)	
		8/50 (16%)	10/48 (21%)	11/47 (23%)		7/50 (14%)	9/49 (18%)	11/47 (23%)	
		10/59 (17%)	11/50 (22%)			10/60 (17%)	6/50 (12%)		
Overall Incidence	Total	92/504 (18.25%)	Mean 19.02%	SD 3.36%	Total	82/506 (16.21%)	Mean 15.93%	SD 4.98%	
.....									
*Thyroid Gland: Follicular Cell: Adenoma									
		2/50 (4%)	1/100 (1%)	3/100 (3%)		0/50 (0%)	1/100 (1%)	0/100 (0%)	
		0/50 (0%)	1/48 (2%)	0/47 (0%)		1/50 (2%)	0/49 (0%)	2/47 (4%)	
		0/59 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	7/504 (1.39%)	Mean 1.26%	SD 1.59%	Total	4/506 (0.79%)	Mean 0.91%	SD 1.54%	
.....									
*Thyroid Gland: Follicular Cell: Carcinoma									
		0/50 (0%)	3/100 (3%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	1/100 (1%)	
		0/50 (0%)	0/48 (0%)	0/47 (0%)		0/50 (0%)	1/49 (2%)	0/47 (0%)	
		1/59 (2%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	5/504 (0.99%)	Mean 0.71%	SD 1.12%	Total	3/506 (0.59%)	Mean 0.63%	SD 0.92%	
.....									
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma									
		2/50 (4%)	4/100 (4%)	4/100 (4%)		0/50 (0%)	1/100 (1%)	1/100 (1%)	
		0/50 (0%)	1/48 (2%)	0/47 (0%)		1/50 (2%)	1/49 (2%)	2/47 (4%)	
		1/59 (2%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	12/504 (2.38%)	Mean 1.97%	SD 1.86%	Total	7/506 (1.38%)	Mean 1.54%	SD 1.38%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
#Tissue NOS:											
Fibrosarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		1/510 (0.2%)	
								Mean		0.25%	
								SD		0.71%	
.....											
#Tissue NOS:											
Leiomyoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Tissue NOS:											
Paraganglioma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	0/510 (0%)		Mean 0%		SD 0%		Total		0/510 (0%)	
								Mean		0%	
								SD		0%	
.....											
#Tissue NOS:											
Sarcoma											
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)
Overall Incidence	Total	1/510 (0.2%)		Mean 0.25%		SD 0.71%		Total		0/510 (0%)	
								Mean		0%	
								SD		0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Tissue NOS:									
Schwannoma Malignant									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	
.....									
#Tongue:									
Liposarcoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	
.....									
#Tongue:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	1/510 (0.2%)	Mean 0.25%	SD 0.71%	
.....									
#Tongue:									
Squamous Cell Carcinoma or Papilloma Squamous									
		1/50 (2%)	1/100 (1%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	1/100 (1%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	1/50 (2%)		
Overall Incidence	Total	3/510 (0.59%)	Mean 0.5%	SD 0.76%	Total	2/510 (0.39%)	Mean 0.38%	SD 0.74%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Tongue:									
Squamous Cell Papilloma									
		1/50 (2%)	1/100 (1%)	1/100 (1%)		0/50 (0%)	0/100 (0%)	1/100 (1%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	3/510 (0.59%)	Mean 0.5%	SD 0.76%	Total	1/510 (0.2%)	Mean 0.12%	SD 0.35%	
#Tooth:									
Odontogenic Tumor									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	0/510 (0%)	Mean 0%	SD 0%	
*Urinary Bladder:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/60 (0%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	0/509 (0%)	Mean 0%	SD 0%	Total	0/509 (0%)	Mean 0%	SD 0%	
*Urinary Bladder:									
Carcinoma or Papilloma									
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)	0/100 (0%)	0/100 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		1/50 (2%)	1/50 (2%)	0/49 (0%)	
		1/60 (2%)	0/50 (0%)			0/60 (0%)	0/50 (0%)		
Overall Incidence	Total	1/509 (0.2%)	Mean 0.21%	SD 0.59%	Total	2/509 (0.39%)	Mean 0.5%	SD 0.93%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female									
*Urinary Bladder:															
Leiomyosarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/509 (0%)		Mean 0%		SD 0%		Total		0/509 (0%)		Mean 0%		SD 0%	
*Urinary Bladder:															
Papilloma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	1/50	(2%)	1/50	(2%)	0/49	(0%)		
		1/60	(2%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	1/509 (0.2%)		Mean 0.21%		SD 0.59%		Total		2/509 (0.39%)		Mean 0.5%		SD 0.93%	
*Urinary Bladder:															
Sarcoma															
		0/50	(0%)	0/100	(0%)	0/100	(0%)	0/50	(0%)	0/100	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
		0/60	(0%)	0/50	(0%)			0/60	(0%)	0/50	(0%)				
Overall Incidence	Total	0/509 (0%)		Mean 0%		SD 0%		Total		0/509 (0%)		Mean 0%		SD 0%	
#Uterus:															
Adenoma															
								0/50	(0%)	0/100	(0%)	1/100	(1%)		
								0/50	(0%)	0/50	(0%)	0/50	(0%)		
								0/60	(0%)	0/50	(0%)				
Overall Incidence	Total							Total		1/510 (0.2%)		Mean 0.12%		SD 0.35%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 266

Report Date: 06/03/2022

	Male	Female
#Uterus:		
Carcinoma		
	0/50 (0%)	0/100 (0%)
	0/50 (0%)	0/50 (0%)
	0/60 (0%)	0/50 (0%)
Overall Incidence	Total 0/510 (0%)	Mean 0% SD 0%
#Uterus:		
Hemangioma		
	0/50 (0%)	0/100 (0%)
	0/50 (0%)	0/50 (0%)
	0/60 (0%)	1/50 (2%)
Overall Incidence	Total 2/510 (0.39%)	Mean 0.38% SD 0.74%
#Uterus:		
Leiomyoma		
	0/50 (0%)	0/100 (0%)
	0/50 (0%)	0/50 (0%)
	0/60 (0%)	0/50 (0%)
Overall Incidence	Total 0/510 (0%)	Mean 0% SD 0%
#Uterus:		
Leiomyosarcoma		
	0/50 (0%)	0/100 (0%)
	0/50 (0%)	0/50 (0%)
	0/60 (0%)	0/50 (0%)
Overall Incidence	Total 0/510 (0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 267

Report Date: 06/03/2022

	Male	Female
#Uterus:		
Polyp Stromal		
	6/50 (12%)	14/100 (14%)
	10/50 (20%)	8/50 (16%)
	11/60 (18%)	6/50 (12%)
Overall Incidence	Total 90/510 (17.65%)	Mean 17.92% SD 6.47%
#Uterus:		
Sarcoma		
	0/50 (0%)	0/100 (0%)
	1/50 (2%)	0/50 (0%)
	0/60 (0%)	0/50 (0%)
Overall Incidence	Total 1/510 (0.2%)	Mean 0.25% SD 0.71%
#Uterus:		
Sarcoma Stromal		
	0/50 (0%)	0/100 (0%)
	1/50 (2%)	0/50 (0%)
	0/60 (0%)	0/50 (0%)
Overall Incidence	Total 2/510 (0.39%)	Mean 0.5% SD 0.93%
#Uterus:		
Sarcoma Stromal or Polyp Stromal		
	6/50 (12%)	14/100 (14%)
	11/50 (22%)	8/50 (16%)
	11/60 (18%)	6/50 (12%)
Overall Incidence	Total 92/510 (18.04%)	Mean 18.42% SD 7.21%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 268

Report Date: 06/03/2022

	Male	Female
#Uterus:		
Schwannoma Malignant		
	0/50 (0%)	0/100 (0%)
	0/50 (0%)	0/50 (0%)
	0/60 (0%)	1/50 (2%)
Overall Incidence	Total 1/510 (0.2%)	Mean 0.25% SD 0.71%
.....		
#Vagina:		
Leiomyoma		
	0/50 (0%)	0/100 (0%)
	0/50 (0%)	0/50 (0%)
	1/60 (2%)	0/50 (0%)
Overall Incidence	Total 1/510 (0.2%)	Mean 0.21% SD 0.59%
.....		
#Vagina:		
Leiomyosarcoma		
	0/50 (0%)	0/100 (0%)
	0/50 (0%)	0/50 (0%)
	0/60 (0%)	0/50 (0%)
Overall Incidence	Total 0/510 (0%)	Mean 0% SD 0%
.....		
#Vagina:		
Polyp		
	0/50 (0%)	0/100 (0%)
	0/50 (0%)	0/50 (0%)
	0/60 (0%)	0/50 (0%)
Overall Incidence	Total 0/510 (0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female				
#Vagina:										
Sarcoma										
						0/50 (0%)		0/100 (0%)		0/100 (0%)
						0/50 (0%)		0/50 (0%)		0/50 (0%)
						0/60 (0%)		0/50 (0%)		
Overall Incidence					Total	0/510 (0%)		Mean 0%		SD 0%
.....										
#Zymbal's Gland:										
Adenoma										
		0/50 (0%)	0/100 (0%)	0/100 (0%)		0/50 (0%)		1/100 (1%)		0/100 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)
		0/60 (0%)	0/50 (0%)			1/60 (2%)		0/50 (0%)		
Overall Incidence	Total	0/510 (0%)	Mean 0%	SD 0%	Total	2/510 (0.39%)		Mean 0.33%		SD 0.64%
.....										
#Zymbal's Gland:										
Carcinoma										
		0/50 (0%)	0/100 (0%)	1/100 (1%)		0/50 (0%)		0/100 (0%)		0/100 (0%)
		1/50 (2%)	0/50 (0%)	3/50 (6%)		0/50 (0%)		0/50 (0%)		0/50 (0%)
		0/60 (0%)	2/50 (4%)			1/60 (2%)		0/50 (0%)		
Overall Incidence	Total	7/510 (1.37%)	Mean 1.62%	SD 2.26%	Total	1/510 (0.2%)		Mean 0.21%		SD 0.59%
.....										
#Zymbal's Gland:										
Carcinoma or Adenoma										
		0/50 (0%)	0/100 (0%)	1/100 (1%)		0/50 (0%)		1/100 (1%)		0/100 (0%)
		1/50 (2%)	0/50 (0%)	3/50 (6%)		0/50 (0%)		0/50 (0%)		0/50 (0%)
		0/60 (0%)	2/50 (4%)			2/60 (3%)		0/50 (0%)		
Overall Incidence	Total	7/510 (1.37%)	Mean 1.62%	SD 2.26%	Total	3/510 (0.59%)		Mean 0.54%		SD 1.18%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 270

Report Date: 06/03/2022

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	058803105	03/31/97	729	50(3)	23(662)	519.6	Dipropylene glycol
Battelle Columbus Laboratory	058800705	08/14/95	729	50(3)	29(665)	502.2	Sodium nitrite
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	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
Battelle Columbus Laboratory	058800705	08/15/95	730	50(5)	33(695)	350.1	Sodium nitrite
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	059601003	09/16/98	734	50(5)	37(699)	341.7	Water disinfection byproducts (Sodium chlorate)

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

		Male			Female		
#All Organs:							
Benign Tumors							
		47/50 (94%)	47/50 (94%)	49/50 (98%)	44/50 (88%)	42/50 (84%)	
		47/50 (94%)	48/50 (96%)		42/50 (84%)	46/50 (92%)	
Overall Incidence	Total	238/250 (95.2%)	Mean 95.2%	SD 1.79%	Total	174/200 (87%)	Mean 87% SD 3.83%
.....							
#All Organs:							
Malignant Tumors							
		35/50 (70%)	30/50 (60%)	28/50 (56%)	25/50 (50%)	23/50 (46%)	
		29/50 (58%)	27/50 (54%)		16/50 (32%)	21/50 (42%)	
Overall Incidence	Total	149/250 (59.6%)	Mean 59.6%	SD 6.23%	Total	85/200 (42.5%)	Mean 42.5% SD 7.72%
.....							
#All Organs:							
Malignant and Benign Tumors							
		49/50 (98%)	49/50 (98%)	50/50 (100%)	50/50 (100%)	45/50 (90%)	
		50/50 (100%)	49/50 (98%)		45/50 (90%)	49/50 (98%)	
Overall Incidence	Total	247/250 (98.8%)	Mean 98.8%	SD 1.1%	Total	189/200 (94.5%)	Mean 94.5% SD 5.26%
.....							
#All Organs:							
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%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
#All Organs:							
Hemangiosarcoma or Hemangioma							
		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	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0% SD 0%
#All Organs:							
Histiocytic Sarcoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	0/200 (0%)	Mean 0% SD 0%
#All Organs:							
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated							
		16/50 (32%)	17/50 (34%)	16/50 (32%)	10/50 (20%)	15/50 (30%)	
		17/50 (34%)	13/50 (26%)		11/50 (22%)	11/50 (22%)	
Overall Incidence	Total	79/250 (31.6%)	Mean 31.6%	SD 3.29%	Total	47/200 (23.5%)	Mean 23.5% SD 4.43%
#All Organs:							
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type							
		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%)	
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0% SD 0%
#All Organs:							
Mesothelioma: Benign							
		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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#All Organs:									
Mesothelioma: Benign, Malignant, NOS									
		6/50 (12%)	3/50 (6%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	15/250 (6%)	Mean 6%	SD 4.24%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#All Organs:									
Mesothelioma: Malignant									
		6/50 (12%)	3/50 (6%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	15/250 (6%)	Mean 6%	SD 4.24%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#All Organs:									
Osteoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#All Organs:									
Osteosarcoma									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	4/250 (1.6%)	Mean 1.6%	SD 2.61%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#All Organs:									
Osteosarcoma or Osteoma									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	4/250 (1.6%)	Mean 1.6%	SD 2.61%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Adrenal Cortex:									
Adenoma									
		0/47 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%)	1/50 (2%)		
		0/49 (0%)	0/49 (0%)			1/49 (2%)	0/50 (0%)		
Overall Incidence	Total	0/245 (0%)	Mean 0%	SD 0%	Total	3/198 (1.52%)	Mean 1.52%	SD 1.01%	
.....									
*Adrenal Cortex:									
Carcinoma									
		0/47 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)		
		0/49 (0%)	0/49 (0%)			0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	0/245 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
*Adrenal Medulla:									
Ganglioneuroma									
		1/47 (2%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)		
		0/49 (0%)	0/49 (0%)			0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	1/245 (0.41%)	Mean 0.43%	SD 0.95%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
*Adrenal Medulla:									
Pheochromocytoma Benign									
		4/47 (9%)	6/50 (12%)	8/50 (16%)		0/49 (0%)	4/50 (8%)		
		7/49 (14%)	6/49 (12%)			1/49 (2%)	2/50 (4%)		
Overall Incidence	Total	31/245 (12.65%)	Mean 12.61%	SD 2.81%	Total	7/198 (3.54%)	Mean 3.51%	SD 3.41%	
.....									
*Adrenal Medulla:									
Pheochromocytoma Complex									
		0/47 (0%)	0/50 (0%)	2/50 (4%)		0/49 (0%)	0/50 (0%)		
		0/49 (0%)	0/49 (0%)			0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	2/245 (0.82%)	Mean 0.8%	SD 1.79%	Total	0/198 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Adrenal Medulla:									
Pheochromocytoma Malignant									
		5/47 (11%)	1/50 (2%)	1/50 (2%)		2/49 (4%)	0/50 (0%)		
		0/49 (0%)	3/49 (6%)			0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	10/245 (4.08%)	Mean 4.15%	SD 4.26%	Total	2/198 (1.01%)	Mean 1.02%	SD 2.04%	
.....									
*Adrenal Medulla:									
Pheochromocytoma: Benign, Complex, Malignant, NOS									
		9/47 (19%)	7/50 (14%)	11/50 (22%)		2/49 (4%)	4/50 (8%)		
		7/49 (14%)	9/49 (18%)			1/49 (2%)	2/50 (4%)		
Overall Incidence	Total	43/245 (17.55%)	Mean 17.56%	SD 3.4%	Total	9/198 (4.55%)	Mean 4.53%	SD 2.5%	
.....									
#Blood Vessel:									
Osteosarcoma									
		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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (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%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Bone:									
Osteosarcoma									
		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%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Bone:									
Osteosarcoma or Osteoma									
		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%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Brain:									
Astrocytoma Malignant									
		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%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/199 (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%)	0/49 (0%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
*Brain:									
Granular 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%)	0/49 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Brain:									
Granular Cell Tumor 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%)	0/49 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/199 (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%)	0/49 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
*Brain:									
Meningioma 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%)			1/50 (2%)	0/49 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	
.....									
*Brain:									
Meningioma: 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%)			1/50 (2%)	0/49 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	
.....									
*Brain:									
Oligodendroglioma Benign									
		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%)	0/49 (0%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/199 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Brain:							
Oligodendroglioma 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%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0% SD 0%
.....							
*Brain:							
Oligodendroglioma, Glioma, or Astrocytoma							
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	0/199 (0%)	Mean 0% SD 0%
.....							
*Brain:							
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%)	0/49 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/199 (0%)	Mean 0% SD 0%
.....							
*Clitoral/Preputial Gland:							
Adenoma							
		3/50 (6%)	0/50 (0%)	2/50 (4%)	6/48 (13%)	8/46 (17%)	
		3/50 (6%)	1/48 (2%)		8/50 (16%)	11/49 (22%)	
Overall Incidence	Total	9/248 (3.63%)	Mean 3.62%	SD 2.6%	Total	33/193 (17.1%)	Mean 17.09% SD 4.13%
.....							
*Clitoral/Preputial Gland:							
Carcinoma							
		3/50 (6%)	5/50 (10%)	1/50 (2%)	5/48 (10%)	2/46 (4%)	
		0/50 (0%)	3/48 (6%)		1/50 (2%)	3/49 (6%)	
Overall Incidence	Total	12/248 (4.84%)	Mean 4.85%	SD 3.92%	Total	11/193 (5.7%)	Mean 5.72% SD 3.56%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Clitoral/Preputial Gland: Carcinoma or Adenoma							
		6/50 (12%)	5/50 (10%)	3/50 (6%)	10/48 (21%)	10/46 (22%)	
		3/50 (6%)	4/48 (8%)		9/50 (18%)	14/49 (29%)	
Overall Incidence	Total	21/248 (8.47%)	Mean 8.47%	SD 2.6%	Total	43/193 (22.28%)	Mean 22.29% SD 4.48%
*Clitoral/Preputial Gland: Fibrosarcoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/46 (0%)	
		0/50 (0%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/193 (0%)	Mean 0% SD 0%
*Clitoral/Preputial Gland: Hemangiosarcoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/46 (0%)	
		0/50 (0%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/193 (0%)	Mean 0% SD 0%
*Clitoral/Preputial Gland: Sarcoma							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/46 (0%)	
		0/50 (0%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	
Overall Incidence	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/193 (0%)	Mean 0% SD 0%
*Clitoral/Preputial Gland: Schwannoma Malignant							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/46 (0%)	
		0/50 (0%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/193 (0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Clitoral/Preputial Gland:									
Squamous Cell Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/46 (0%)		
		1/50 (2%)	0/48 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/193 (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%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#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%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (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%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Eye:									
Melanoma Malignant									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)	1/50 (2%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)	1/50 (2%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
*Heart:									
Schwannoma Benign									
		2/50 (4%)	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	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	0/200 (0%)	Mean 0%	SD 0%	
*Heart:									
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%)	0/50 (0%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Intestine Large: Colon/Rectum:									
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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Intestine Large: Colon/Rectum:									
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%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Intestine Large: Colon/Rectum:									
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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Intestine Large: Colon/Rectum:									
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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	1/200	(0.5%)	Mean 0.5% SD 1%
.....									
#Intestine Large: Colon/Rectum:									
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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Intestine Small: Jejunum:									
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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Intestine Small: Site Unspecified:									
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%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Intestine Small: Site Unspecified:									
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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Intestine Small: Site Unspecified:									
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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Intestine Small: Site Unspecified:									
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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Islets, Pancreatic:									
Adenoma									
		2/44 (5%)	4/50 (8%)	3/49 (6%)		0/47 (0%)	0/50 (0%)	0/50 (0%)	
		5/48 (10%)	3/50 (6%)			0/47 (0%)	2/50 (4%)		
Overall Incidence	Total	17/241 (7.05%)	Mean 7.02%	SD 2.26%	Total	2/194 (1.03%)	Mean 1%	SD 2%	
.....									
*Islets, Pancreatic:									
Carcinoma									
		0/44 (0%)	1/50 (2%)	0/49 (0%)		0/47 (0%)	0/50 (0%)	0/50 (0%)	
		0/48 (0%)	2/50 (4%)			0/47 (0%)	1/50 (2%)		
Overall Incidence	Total	3/241 (1.24%)	Mean 1.2%	SD 1.79%	Total	1/194 (0.52%)	Mean 0.5%	SD 1%	
.....									
*Islets, Pancreatic:									
Carcinoma or Adenoma									
		2/44 (5%)	5/50 (10%)	3/49 (6%)		0/47 (0%)	0/50 (0%)	0/50 (0%)	
		5/48 (10%)	5/50 (10%)			0/47 (0%)	3/50 (6%)		
Overall Incidence	Total	20/241 (8.3%)	Mean 8.22%	SD 2.7%	Total	3/194 (1.55%)	Mean 1.5%	SD 3%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Kidney: Pelvis and Transitional Epithelium: Carcinoma									
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/47 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/242 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma									
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/47 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/242 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
*Kidney: Pelvis and Transitional Epithelium: Papilloma									
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/47 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/242 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Adenoma									
		1/47 (2%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	0/47 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/242 (0.83%)	Mean 0.83%	SD 1.14%	Total	0/199 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Carcinoma									
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/47 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/242 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female						
*Kidney: Renal Tubule:												
 Carcinoma or Adenoma												
		1/47	(2%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	
		1/49	(2%)	0/47	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	2/242 (0.83%)		Mean 0.83%		SD 1.14%		Total 0/199 (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%)	0/47	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/242 (0%)		Mean 0%		SD 0%		Total 0/199 (0%)		Mean 0%		SD 0%
.....												
*Kidney: Renal Tubule:												
 Liposarcoma												
		0/47	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	
		0/49	(0%)	0/47	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/242 (0%)		Mean 0%		SD 0%		Total 0/199 (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%)	0/47	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/242 (0%)		Mean 0%		SD 0%		Total 0/199 (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%)	0/47	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/242 (0.41%)		Mean 0.43%		SD 0.95%		Total 0/199 (0%)		Mean 0%		SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
*Liver:									
Hepatocellular Adenoma									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)
Overall Incidence	Total	2/250	(0.8%)	Mean 0.8%	SD 1.1%	Total	2/200	(1%)	Mean 1% SD 2%
.....									
*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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
*Liver:									
Hepatocellular Carcinoma or Hepatoblastoma									
		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%	Total	0/200	(0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Liver:									
Hepatocellular Carcinoma or Hepatocellular Adenoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)			2/50 (4%)	0/50 (0%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
*Liver:									
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)			2/50 (4%)	0/50 (0%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
*Lung:									
Alveolar/Bronchiolar Adenoma									
		2/50 (4%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	3/50 (6%)		
		2/50 (4%)	1/50 (2%)			1/50 (2%)	1/50 (2%)		
Overall Incidence	Total	7/250 (2.8%)	Mean 2.8%	SD 1.79%	Total	5/200 (2.5%)	Mean 2.5%	SD 2.52%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)		
		0/50 (0%)	3/50 (6%)			1/50 (2%)	1/50 (2%)		
Overall Incidence	Total	5/250 (2%)	Mean 2%	SD 2.45%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma									
		3/50 (6%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	3/50 (6%)		
		2/50 (4%)	4/50 (8%)			2/50 (4%)	2/50 (4%)		
Overall Incidence	Total	12/250 (4.8%)	Mean 4.8%	SD 2.28%	Total	8/200 (4%)	Mean 4%	SD 1.63%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Lung:									
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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (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%)	
		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%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Lung:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		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%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node, Mesenteric:									
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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node, Mesenteric:									
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%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Lymph Node, Mesenteric:									
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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Mammary Gland:									
Adenoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	3/50 (6%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	5/200 (2.5%)	Mean 2.5%	SD 3%	
.....									
#Mammary Gland:									
Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		4/50 (8%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)			3/50 (6%)	3/50 (6%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	11/200 (5.5%)	Mean 5.5%	SD 2.52%	
.....									
#Mammary Gland:									
Carcinoma or Adenoma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		4/50 (8%)	2/50 (4%)		
		1/50 (2%)	0/50 (0%)			3/50 (6%)	6/50 (12%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	15/200 (7.5%)	Mean 7.5%	SD 3.42%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Mammary Gland:									
Fibroadenoma									
		1/50 (2%)	3/50 (6%)	1/50 (2%)		36/50 (72%)	21/50 (42%)		
		4/50 (8%)	2/50 (4%)			32/50 (64%)	33/50 (66%)		
Overall Incidence	Total	11/250 (4.4%)	Mean 4.4%	SD 2.61%	Total	122/200 (61%)	Mean 61%	SD 13.11%	
.....									
#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%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma or Adenoma									
		1/50 (2%)	3/50 (6%)	2/50 (4%)		36/50 (72%)	23/50 (46%)		
		4/50 (8%)	2/50 (4%)			32/50 (64%)	35/50 (70%)		
Overall Incidence	Total	12/250 (4.8%)	Mean 4.8%	SD 2.28%	Total	126/200 (63%)	Mean 63%	SD 11.83%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma, Carcinoma, or Adenoma									
		1/50 (2%)	3/50 (6%)	2/50 (4%)		37/50 (74%)	23/50 (46%)		
		5/50 (10%)	2/50 (4%)			32/50 (64%)	37/50 (74%)		
Overall Incidence	Total	13/250 (5.2%)	Mean 5.2%	SD 3.03%	Total	129/200 (64.5%)	Mean 64.5%	SD 13.2%	
.....									
#Mammary Gland:									
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%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Mammary Gland:									
Myoepithelioma									
		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%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Mesentery:									
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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Mesentery:									
Hemangiosarcoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Mesentery:									
Osteosarcoma									
		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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Mesentery:									
Rhabdomyosarcoma									
		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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Mesentery:									
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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Nose:									
Adenoma									
		0/46 (0%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)		
		0/49 (0%)	0/49 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/244 (0%)	Mean 0%	SD 0%	Total	0/198 (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%)	0/49 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/244 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Nose:									
Sarcoma									
		0/46 (0%)	0/50 (0%)	1/50 (2%)		0/48 (0%)	0/50 (0%)		
		0/49 (0%)	0/49 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/244 (0.41%)	Mean 0.4%	SD 0.89%	Total	0/198 (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%)	0/49 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/244 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Papilloma Squamous or Papilloma									
		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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	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%	Total	2/200 (1%)	Mean 1%	SD 1.15%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Oral Mucosa:									
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%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
#Oral Mucosa:									
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%)	0/50 (0%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Ovary:									
Cystadenoma									
						0/50 (0%)	0/50 (0%)		
						0/50 (0%)	0/50 (0%)		
Overall Incidence	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Ovary:									
Granulosa Cell Tumor Benign									
						0/50 (0%)	0/50 (0%)		
						0/50 (0%)	1/50 (2%)		
Overall Incidence	Total				Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
*Ovary:									
Granulosa Cell Tumor Malignant									
						0/50 (0%)	0/50 (0%)		
						0/50 (0%)	0/50 (0%)		
Overall Incidence	Total				Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 296

Report Date: 06/03/2022

	Male			Female	
*Ovary:					
Granulosa Cell Tumor: Benign, Malignant, NOS					
		0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)
Overall Incidence		Total	1/200 (0.5%)	Mean	0.5% SD 1%
.....					
*Ovary:					
Granulosa-Theca Tumor Malignant					
		0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)
Overall Incidence		Total	0/200 (0%)	Mean	0% SD 0%
.....					
*Ovary:					
Luteoma					
		0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)
Overall Incidence		Total	0/200 (0%)	Mean	0% SD 0%
.....					
*Ovary:					
Sarcoma					
		1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)
Overall Incidence		Total	1/200 (0.5%)	Mean	0.5% SD 1%
.....					
*Ovary:					
Thecoma Malignant					
		0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)
Overall Incidence		Total	0/200 (0%)	Mean	0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
*Pancreas:											
Adenoma											
		0/44	(0%)	0/50	(0%)	3/49	(6%)	1/47	(2%)	0/50	(0%)
		0/48	(0%)	0/49	(0%)			0/47	(0%)	2/50	(4%)
Overall Incidence	Total	3/240 (1.25%)		Mean 1.22%		SD 2.74%		Total 3/194 (1.55%)		Mean 1.53%	
										SD 1.93%	
.....											
*Pancreas:											
Carcinoma											
		1/44	(2%)	0/50	(0%)	0/49	(0%)	0/47	(0%)	0/50	(0%)
		0/48	(0%)	0/49	(0%)			0/47	(0%)	0/50	(0%)
Overall Incidence	Total	1/240 (0.42%)		Mean 0.45%		SD 1.02%		Total 0/194 (0%)		Mean 0%	
										SD 0%	
.....											
*Pancreas:											
Carcinoma or Adenoma											
		1/44	(2%)	0/50	(0%)	3/49	(6%)	1/47	(2%)	0/50	(0%)
		0/48	(0%)	0/49	(0%)			0/47	(0%)	2/50	(4%)
Overall Incidence	Total	4/240 (1.67%)		Mean 1.68%		SD 2.67%		Total 3/194 (1.55%)		Mean 1.53%	
										SD 1.93%	
.....											
*Pancreas:											
Fibroma											
		0/44	(0%)	0/50	(0%)	0/49	(0%)	0/47	(0%)	0/50	(0%)
		0/48	(0%)	0/49	(0%)			0/47	(0%)	0/50	(0%)
Overall Incidence	Total	0/240 (0%)		Mean 0%		SD 0%		Total 0/194 (0%)		Mean 0%	
										SD 0%	
.....											
*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%)			0/47	(0%)	0/50	(0%)
Overall Incidence	Total	2/240 (0.83%)		Mean 0.91%		SD 2.03%		Total 0/194 (0%)		Mean 0%	
										SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Parathyroid Gland:									
Adenoma									
		1/45 (2%)	0/45 (0%)	0/48 (0%)		0/49 (0%)	0/46 (0%)		
		0/50 (0%)	0/49 (0%)			0/50 (0%)	0/47 (0%)		
Overall Incidence	Total	1/237 (0.42%)	Mean 0.44%	SD 0.99%	Total	0/192 (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%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#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%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Adenoma									
		15/47 (32%)	13/50 (26%)	22/49 (45%)		20/48 (42%)	24/50 (48%)		
		23/50 (46%)	16/48 (33%)			26/50 (52%)	23/49 (47%)		
Overall Incidence	Total	89/244 (36.48%)	Mean 36.43%	SD 8.69%	Total	93/197 (47.21%)	Mean 47.15%	SD 4.26%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma									
		0/47 (0%)	0/50 (0%)	0/49 (0%)		1/48 (2%)	0/50 (0%)		
		0/50 (0%)	0/48 (0%)			0/50 (0%)	1/49 (2%)		
Overall Incidence	Total	0/244 (0%)	Mean 0%	SD 0%	Total	2/197 (1.02%)	Mean 1.03%	SD 1.19%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma or Adenoma									
		15/47 (32%)	13/50 (26%)	22/49 (45%)		21/48 (44%)	24/50 (48%)		
		23/50 (46%)	16/48 (33%)			26/50 (52%)	24/49 (49%)		
Overall Incidence	Total	89/244 (36.48%)	Mean 36.43%	SD 8.69%	Total	95/197 (48.22%)	Mean 48.18%	SD 3.41%	
.....									
*Pituitary Gland: Pars Intermedia:									
Adenoma									
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/50 (0%)		
		0/50 (0%)	0/48 (0%)			1/50 (2%)	1/49 (2%)		
Overall Incidence	Total	0/244 (0%)	Mean 0%	SD 0%	Total	2/197 (1.02%)	Mean 1.01%	SD 1.17%	
.....									
*Pituitary Gland: Pars Intermedia:									
Carcinoma									
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/50 (0%)		
		0/50 (0%)	0/48 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/244 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Intermedia:									
Carcinoma or Adenoma									
		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/50 (0%)		
		0/50 (0%)	0/48 (0%)			1/50 (2%)	1/49 (2%)		
Overall Incidence	Total	0/244 (0%)	Mean 0%	SD 0%	Total	2/197 (1.02%)	Mean 1.01%	SD 1.17%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Prostate:									
Adenoma									
		1/48	(2%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/248	(0.4%)	Mean 0.42%		SD 0.93%			
.....									
*Prostate:									
Carcinoma or Adenoma									
		1/48	(2%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/248	(0.4%)	Mean 0.42%		SD 0.93%			
.....									
*Salivary Glands:									
Carcinoma									
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/49	(0%)			0/50	(0%)
Overall Incidence	Total	0/248	(0%)	Mean 0%		SD 0%	Total	0/198	(0%)
								Mean 0%	SD 0%
.....									
*Salivary Glands:									
Carcinoma or Adenoma									
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/49	(0%)			0/50	(0%)
Overall Incidence	Total	0/248	(0%)	Mean 0%		SD 0%	Total	0/198	(0%)
								Mean 0%	SD 0%
.....									
*Salivary Glands:									
Sarcoma									
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/49	(0%)			0/50	(0%)
Overall Incidence	Total	0/248	(0%)	Mean 0%		SD 0%	Total	0/198	(0%)
								Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Salivary Glands:									
Schwannoma Malignant									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)		
		0/50 (0%)	0/49 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/198 (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%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (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%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0% SD 0%
.....							
#Skeletal Muscle:							
Rhabdomyosarcoma or Rhabdomyoma							
		0/50 (0%)	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%	Total	0/200 (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%)
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (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%)	0/50 (0%)			0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0% SD 0%
.....							
#Skin:							
Basal Cell Adenoma or Basosquamous Tumor Benign							
		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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female								
#Skin:														
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)			
		1/50	(2%)	1/50	(2%)			0/50	(0%)	2/50	(4%)			
Overall Incidence	Total	3/250 (1.2%)		Mean	1.2%	SD	1.1%	Total	3/200 (1.5%)		Mean	1.5%	SD	1.91%
.....														
#Skin:														
Basal Cell Carcinoma														
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)			
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
Overall Incidence	Total	3/250 (1.2%)		Mean	1.2%	SD	1.1%	Total	2/200 (1%)		Mean	1%	SD	1.15%
.....														
#Skin:														
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)														
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)			
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
Overall Incidence	Total	3/250 (1.2%)		Mean	1.2%	SD	1.1%	Total	2/200 (1%)		Mean	1%	SD	1.15%
.....														
#Skin:														
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma														
		0/50	(0%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	2/50	(4%)			
		2/50	(4%)	1/50	(2%)			0/50	(0%)	3/50	(6%)			
Overall Incidence	Total	6/250 (2.4%)		Mean	2.4%	SD	1.67%	Total	5/200 (2.5%)		Mean	2.5%	SD	3%
.....														
#Skin:														
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma														
		1/50	(2%)	3/50	(6%)	4/50	(8%)	0/50	(0%)	3/50	(6%)			
		7/50	(14%)	5/50	(10%)			1/50	(2%)	3/50	(6%)			
Overall Incidence	Total	20/250 (8%)		Mean	8%	SD	4.47%	Total	7/200 (3.5%)		Mean	3.5%	SD	3%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Fibroma									
		6/50 (12%)	0/50 (0%)	6/50 (12%)		1/50 (2%)	1/50 (2%)		
		5/50 (10%)	9/50 (18%)			1/50 (2%)	4/50 (8%)		
Overall Incidence	Total	26/250 (10.4%)	Mean 10.4%	SD 6.54%	Total	7/200 (3.5%)	Mean 3.5%	SD 3%	
.....									
#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma									
		9/50 (18%)	1/50 (2%)	7/50 (14%)		1/50 (2%)	1/50 (2%)		
		6/50 (12%)	10/50 (20%)			1/50 (2%)	4/50 (8%)		
Overall Incidence	Total	33/250 (13.2%)	Mean 13.2%	SD 7.01%	Total	7/200 (3.5%)	Mean 3.5%	SD 3%	
.....									
#Skin:									
Fibrosarcoma									
		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%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma									
		3/50 (6%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)		
		1/50 (2%)	1/50 (2%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	7/250 (2.8%)	Mean 2.8%	SD 1.79%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Fibrous Histiocytoma									
		0/50 (0%)	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%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
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%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Hemangiopericytoma									
		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	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
#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%)		
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Keratoacanthoma									
		1/50 (2%)	2/50 (4%)	3/50 (6%)		0/50 (0%)	0/50 (0%)		
		3/50 (6%)	4/50 (8%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	13/250 (5.2%)	Mean 5.2%	SD 2.28%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Lipoma									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Skin:									
Melanoma 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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Skin:									
Myxoma									
		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%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Skin:									
Myxosarcoma									
		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%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Skin:									
Neural Crest Tumor									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	2/250	(0.8%)	Mean 0.8%	SD 1.1%	Total	1/200	(0.5%)	Mean 0.5% SD 1%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Neurofibroma or 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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Skin:									
Neurofibrosarcoma or Schwannoma (malignant or 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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Skin:									
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or 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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Skin:									
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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Skin:									
Sarcoma									
		3/50	(6%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	5/250	(2%)	Mean 2%	SD 2.45%	Total	0/200	(0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (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%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0% SD 0%
.....							
#Skin:							
Squamous Cell Carcinoma							
		0/50 (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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/200 (0.5%)	Mean 0.5% SD 1%
.....							
#Skin:							
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma							
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	
		1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	3/200 (1.5%)	Mean 1.5% SD 1.91%
.....							
#Skin:							
Squamous Cell Papilloma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	1/200 (0.5%)	Mean 0.5% SD 1%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Skin:									
Squamous Cell Papilloma or Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		2/50 (4%)	0/50 (0%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
#Skin:									
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma									
		1/50 (2%)	2/50 (4%)	3/50 (6%)		0/50 (0%)	1/50 (2%)		
		6/50 (12%)	4/50 (8%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	16/250 (6.4%)	Mean 6.4%	SD 3.85%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
#Skin:									
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma									
		1/50 (2%)	2/50 (4%)	3/50 (6%)		0/50 (0%)	0/50 (0%)		
		5/50 (10%)	4/50 (8%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	15/250 (6%)	Mean 6%	SD 3.16%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
#Skin:									
Trichoepithelioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)		
		1/50 (2%)	1/50 (2%)			0/50 (0%)	2/50 (4%)		
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	
.....									
#Skin: Sebaceous Gland:									
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%)		
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
*Spleen:									
Hemangioma									
		0/43 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/48 (0%)			0/47 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/239 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
*Spleen:									
Hemangiosarcoma									
		0/43 (0%)	0/50 (0%)	1/48 (2%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/48 (0%)			0/47 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/239 (0.42%)	Mean 0.42%	SD 0.93%	Total	0/195 (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%)	
		0/50 (0%)	0/48 (0%)			0/47 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/239 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Stomach, Forestomach:									
Schwannoma 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%)
Overall Incidence	Total	1/250	(0.4%)	Mean 0.4%	SD 0.89%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#Stomach, Forestomach:									
Squamous Cell Carcinoma or Papilloma Squamous									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	2/50	(4%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	2/250	(0.8%)	Mean 0.8%	SD 1.1%	Total	3/200	(1.5%)	Mean 1.5% SD 1.91%
.....									
#Stomach, Forestomach:									
Squamous Cell Papilloma									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	2/50	(4%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	2/250	(0.8%)	Mean 0.8%	SD 1.1%	Total	3/200	(1.5%)	Mean 1.5% SD 1.91%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
#Stomach, Glandular:							
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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0% SD 0%
#Stomach, Glandular:							
Carcinoma or Adenoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0% SD 0%
#Stomach, Glandular:							
Leiomyosarcoma							
		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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0% SD 0%
*Testes:							
Adenoma							
		45/50 (90%)	47/50 (94%)	45/50 (90%)			
		41/50 (82%)	45/50 (90%)				
Overall Incidence	Total	223/250 (89.2%)	Mean 89.2%	SD 4.38%			

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Thymus:									
Sarcoma									
		0/39 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/49 (0%)		
		1/49 (2%)	0/48 (0%)			0/49 (0%)	0/49 (0%)		
Overall Incidence	Total	1/234 (0.43%)	Mean 0.41%	SD 0.91%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
*Thymus:									
Thymoma Benign									
		0/39 (0%)	0/50 (0%)	0/48 (0%)		1/48 (2%)	0/49 (0%)		
		1/49 (2%)	0/48 (0%)			0/49 (0%)	0/49 (0%)		
Overall Incidence	Total	1/234 (0.43%)	Mean 0.41%	SD 0.91%	Total	1/195 (0.51%)	Mean 0.52%	SD 1.04%	
.....									
*Thymus:									
Thymoma Malignant									
		0/39 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/49 (0%)		
		0/49 (0%)	0/48 (0%)			0/49 (0%)	0/49 (0%)		
Overall Incidence	Total	0/234 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
*Thymus:									
Thymoma: Benign, Malignant, NOS									
		0/39 (0%)	0/50 (0%)	0/48 (0%)		1/48 (2%)	0/49 (0%)		
		1/49 (2%)	0/48 (0%)			0/49 (0%)	0/49 (0%)		
Overall Incidence	Total	1/234 (0.43%)	Mean 0.41%	SD 0.91%	Total	1/195 (0.51%)	Mean 0.52%	SD 1.04%	
.....									
*Thyroid Gland: C-Cell:									
Adenoma									
		4/42 (10%)	12/50 (24%)	8/46 (17%)		6/45 (13%)	7/50 (14%)		
		6/50 (12%)	9/47 (19%)			6/50 (12%)	12/47 (26%)		
Overall Incidence	Total	39/235 (16.6%)	Mean 16.41%	SD 5.76%	Total	31/192 (16.15%)	Mean 16.22%	SD 6.27%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Thyroid Gland: C-Cell: Carcinoma									
		2/42 (5%)	2/50 (4%)	1/46 (2%)		1/45 (2%)	2/50 (4%)		
		1/50 (2%)	2/47 (4%)			0/50 (0%)	1/47 (2%)		
Overall Incidence	Total	8/235 (3.4%)	Mean 3.44%	SD 1.27%	Total	4/192 (2.08%)	Mean 2.09%	SD 1.64%	
.....									
*Thyroid Gland: C-Cell: Carcinoma or Adenoma									
		6/42 (14%)	14/50 (28%)	9/46 (20%)		7/45 (16%)	9/50 (18%)		
		7/50 (14%)	11/47 (23%)			6/50 (12%)	13/47 (28%)		
Overall Incidence	Total	47/235 (20%)	Mean 19.85%	SD 6.01%	Total	35/192 (18.23%)	Mean 18.3%	SD 6.71%	
.....									
*Thyroid Gland: Follicular Cell: Adenoma									
		1/42 (2%)	1/50 (2%)	0/46 (0%)		0/45 (0%)	1/50 (2%)		
		1/50 (2%)	1/47 (2%)			0/50 (0%)	0/47 (0%)		
Overall Incidence	Total	4/235 (1.7%)	Mean 1.7%	SD 0.96%	Total	1/192 (0.52%)	Mean 0.5%	SD 1%	
.....									
*Thyroid Gland: Follicular Cell: Carcinoma									
		0/42 (0%)	1/50 (2%)	0/46 (0%)		1/45 (2%)	1/50 (2%)		
		0/50 (0%)	0/47 (0%)			0/50 (0%)	1/47 (2%)		
Overall Incidence	Total	1/235 (0.43%)	Mean 0.4%	SD 0.89%	Total	3/192 (1.56%)	Mean 1.59%	SD 1.06%	
.....									
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma									
		1/42 (2%)	2/50 (4%)	0/46 (0%)		1/45 (2%)	2/50 (4%)		
		1/50 (2%)	1/47 (2%)			0/50 (0%)	1/47 (2%)		
Overall Incidence	Total	5/235 (2.13%)	Mean 2.1%	SD 1.42%	Total	4/192 (2.08%)	Mean 2.09%	SD 1.64%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (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%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
#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%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	1/200	(0.5%)	Mean 0.5% SD 1%
.....									
#Tongue:									
Squamous Cell Carcinoma or Papilloma 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%)
Overall Incidence	Total	1/250	(0.4%)	Mean 0.4%	SD 0.89%	Total	1/200	(0.5%)	Mean 0.5% SD 1%
.....									
#Tongue:									
Squamous Cell Papilloma									
		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	1/250	(0.4%)	Mean 0.4%	SD 0.89%	Total	0/200	(0%)	Mean 0% SD 0%
.....									
#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%)
Overall Incidence	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female						
*Urinary Bladder:												
Carcinoma												
		0/46	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	0/48	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/242 (0.41%)		Mean 0.4%		SD 0.89%		Total 0/200 (0%)		Mean 0%		SD 0%
.....												
*Urinary Bladder:												
Carcinoma or Papilloma												
		0/46	(0%)	1/49	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	0/48	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	2/242 (0.83%)		Mean 0.81%		SD 1.11%		Total 0/200 (0%)		Mean 0%		SD 0%
.....												
*Urinary Bladder:												
Leiomyosarcoma												
		0/46	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/48	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/242 (0%)		Mean 0%		SD 0%		Total 0/200 (0%)		Mean 0%		SD 0%
.....												
*Urinary Bladder:												
Papilloma												
		0/46	(0%)	1/49	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/48	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/242 (0.41%)		Mean 0.41%		SD 0.91%		Total 0/200 (0%)		Mean 0%		SD 0%
.....												
*Urinary Bladder:												
Sarcoma												
		1/46	(2%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/48	(0%)			0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/242 (0.41%)		Mean 0.43%		SD 0.97%		Total 0/200 (0%)		Mean 0%		SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 318
 Report Date: 06/03/2022

	Male	Female
#Uterus:		
Adenoma		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 1/200 (0.5%)	Mean 0.5% SD 1%
.....		
#Uterus:		
Carcinoma		
	0/50 (0%)	2/50 (4%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 2/200 (1%)	Mean 1% SD 2%
.....		
#Uterus:		
Hemangioma		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%
.....		
#Uterus:		
Leiomyoma		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%
.....		
#Uterus:		
Leiomyosarcoma		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%

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

Version: 2006
 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: 319
 Report Date: 06/03/2022

	Male	Female
#Uterus: Polyp Stromal		
	8/50 (16%)	7/50 (14%)
	4/50 (8%)	9/50 (18%)
Overall Incidence	Total 28/200 (14%)	Mean 14% SD 4.32%
#Uterus: Sarcoma		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%
#Uterus: Sarcoma Stromal		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	1/50 (2%)
Overall Incidence	Total 2/200 (1%)	Mean 1% SD 1.15%
#Uterus: Sarcoma Stromal or Polyp Stromal		
	9/50 (18%)	7/50 (14%)
	4/50 (8%)	10/50 (20%)
Overall Incidence	Total 30/200 (15%)	Mean 15% SD 5.29%
#Uterus: Schwannoma Malignant		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 0/200 (0%)	Mean 0% SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 320
 Report Date: 06/03/2022

					Male						Female			
#Vagina:														
Leiomyoma														
					0/50	(0%)						0/50	(0%)	
					0/50	(0%)						0/50	(0%)	
Overall Incidence					Total	0/200	(0%)	Mean		0%	SD		0%	
.....														
#Vagina:														
Leiomyosarcoma														
					0/50	(0%)						0/50	(0%)	
					0/50	(0%)						0/50	(0%)	
Overall Incidence					Total	0/200	(0%)	Mean		0%	SD		0%	
.....														
#Vagina:														
Polyp														
					0/50	(0%)						0/50	(0%)	
					0/50	(0%)						0/50	(0%)	
Overall Incidence					Total	0/200	(0%)	Mean		0%	SD		0%	
.....														
#Vagina:														
Sarcoma														
					0/50	(0%)						0/50	(0%)	
					0/50	(0%)						0/50	(0%)	
Overall Incidence					Total	0/200	(0%)	Mean		0%	SD		0%	
.....														
#Zymbal's Gland:														
Adenoma														
			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	1/250 (0.4%)		Mean	0.4%	SD	0.89%	Total	0/200	(0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 321

Report Date: 06/03/2022

		Male				Female			
#Zymbal's Gland:									
Carcinoma									
		3/50 (6%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	5/250 (2%)	Mean 2%	SD 2.45%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
#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%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	6/250 (2.4%)	Mean 2.4%	SD 2.19%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 322

Report Date: 06/03/2022

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	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

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

		Male			Female		
#All Organs:							
Benign Tumors							
		47/50 (94%)			44/50 (88%)		
Overall Incidence	Total	47/50 (94%)	Mean 94%	SD 0%	Total	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 Tumors							
		50/50 (100%)			48/50 (96%)		
Overall Incidence	Total	50/50 (100%)	Mean 100%	SD 0%	Total	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 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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#All Organs:								
Histiocytic Sarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#All Organs:								
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated								
		13/50	(26%)			9/50	(18%)	
Overall Incidence	Total	13/50	(26%)	Mean 26%	SD 0%	Total	9/50	(18%)
.....								
#All Organs:								
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type								
		2/50	(4%)			0/50	(0%)	
Overall Incidence	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(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%)
.....								
#All Organs:								
Mesothelioma: Benign, Malignant, NOS								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(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%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#All Organs:									
Osteoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#All Organs:									
Osteosarcoma									
		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									
		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 Cortex:									
Adenoma									
		0/50	(0%)			3/50	(6%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	3/50	(6%)	Mean 6% SD 0%
.....									
*Adrenal Cortex:									
Carcinoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Adrenal Medulla:							
Pheochromocytoma Benign							
		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 Complex							
		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 Malignant							
		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: Benign, 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%
.....							
#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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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%
.....									
*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:									
Glioma Malignant									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Brain:									
Granular Cell Tumor Benign									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Brain:									
Granular Cell Tumor 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:									
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%
.....									
*Brain:									
Meningioma: Benign, Malignant, 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 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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Brain:							
Oligodendroglioma, Glioma, or Astrocytoma							
		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%
.....							
*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							
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Clitoral/Preputial Gland: 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%
.....									
*Clitoral/Preputial Gland: 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: Schwannoma Malignant									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
*Clitoral/Preputial Gland: 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%
.....									
#Eye: Amelanotic Melanoma, Benign									
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Eye:									
Melanoma 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%
.....									
#Eye:									
Melanoma 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%
.....									
#Harderian 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%
.....									
#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%
.....									
#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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Heart:							
Schwannoma Malignant							
		1/50	(2%)		1/50	(2%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	1/50 (2%)
						Mean 2%	SD 0%
.....							
#Intestine Large: Colon/Rectum:							
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/Rectum:							
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 Large: Colon/Rectum:							
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%
.....							
#Intestine Large: Colon/Rectum:							
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%
.....							
#Intestine Large: Colon/Rectum:							
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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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: 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%
.....									
#Intestine Small: Site Unspecified: 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: Site Unspecified: Carcinoma or Adenoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Intestine Small: Site Unspecified: 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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
#Intestine Small: Site Unspecified:							
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%
.....							
*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							
		7/50 (14%)			0/50 (0%)		
Overall Incidence	Total	7/50 (14%)	Mean 14%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
*Kidney: Pelvis and Transitional Epithelium:							
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: Pelvis and Transitional Epithelium:							
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 with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Kidney: Pelvis and Transitional Epithelium:									
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%
.....									
*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%
.....									
*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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*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%
.....									
*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									
		0/50	(0%)			6/50	(12%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	6/50	(12%)	Mean 12% SD 0%
.....									
*Liver:									
Hepatocellular 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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
*Liver:								
Hepatocellular Carcinoma or Hepatoblastoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Liver:								
Hepatocellular Carcinoma or Hepatocellular Adenoma								
		0/50	(0%)			6/50	(12%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	6/50	(12%)
.....								
*Liver:								
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma								
		0/50	(0%)			6/50	(12%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	6/50	(12%)
.....								
*Lung:								
Alveolar/Bronchiolar Adenoma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								
*Lung:								
Alveolar/Bronchiolar Carcinoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Lung:								
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Lung:									
 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%
.....									
*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%
.....									
*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:									
 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:									
 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%
.....									
#Lymph Node, Mesenteric:									
 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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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									
		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:									
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%
.....									
#Mammary Gland:									
Fibroma									
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
#Mammary Gland:							
Fibroma, Fibroadenoma or Adenoma							
		0/50	(0%)		12/50	(24%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	Total	12/50 (24%)	Mean 24%
				SD 0%			SD 0%
.....							
#Mammary Gland:							
Fibroma, Fibroadenoma, Carcinoma, or Adenoma							
		0/50	(0%)		14/50	(28%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	Total	14/50 (28%)	Mean 28%
				SD 0%			SD 0%
.....							
#Mammary Gland:							
Hemangioma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	Total	0/50 (0%)	Mean 0%
				SD 0%			SD 0%
.....							
#Mammary Gland:							
Myoepithelioma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	Total	0/50 (0%)	Mean 0%
				SD 0%			SD 0%
.....							
#Mesentery:							
Fibrosarcoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	Total	0/50 (0%)	Mean 0%
				SD 0%			SD 0%
.....							
#Mesentery:							
Hemangiosarcoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	Total	0/50 (0%)	Mean 0%
				SD 0%			SD 0%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 341
 Report Date: 06/03/2022

		Male				Female			
#Mesentery:									
Lipoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Mesentery:									
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									
		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:									
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%
.....									
*Nose:									
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 with tissues examined microscopically
 #: Denominator is number of animals necropsied

		Male				Female			
*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%
.....									
*Nose:									
Squamous Cell Carcinoma									
		1/50	(2%)			0/50	(0%)		
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Papilloma Squamous or 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%
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
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%
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma									
		0/50	(0%)			3/50	(6%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	3/50	(6%)	Mean 6% SD 0%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006

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: 343

Report Date: 06/03/2022

	Male				Female			
#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%
.....								
#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%
.....								
*Ovary:								
Cystadenoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
								Mean 0%
								SD 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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 344
 Report Date: 06/03/2022

Male					Female					
*Ovary:										
Granulosa-Theca Tumor Malignant										
					0/50	(0%)				
Overall Incidence					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
*Ovary:										
Luteoma										
					0/50	(0%)				
Overall Incidence					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
*Ovary:										
Sarcoma										
					0/50	(0%)				
Overall Incidence					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
*Ovary:										
Thecoma Malignant										
					0/50	(0%)				
Overall Incidence					Total	0/50 (0%)	Mean	0%	SD	0%
.....										
*Pancreas:										
Adenoma										
					3/50	(6%)				
Overall Incidence	Total	3/50 (6%)	Mean	6%	SD	0%	Total	0/50 (0%)	Mean	0%
.....										
*Pancreas:										
Carcinoma										
					0/50	(0%)				
Overall Incidence	Total	0/50 (0%)	Mean	0%	SD	0%	Total	0/50 (0%)	Mean	0%
.....										

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

		Male				Female				
*Pancreas:										
 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%
.....										
*Pancreas:										
 Fibroma										
		0/50	(0%)			0/50	(0%)			
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0%	SD 0%
.....										
*Pancreas:										
 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%
.....										
*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%)			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										
		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 with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Peripheral Nerve:								
Schwannoma: Benign, Malignant, NOS								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
*Pituitary Gland: Pars Distalis or Unspecified Site:								
Adenoma								
		29/50	(58%)			33/50	(66%)	
Overall Incidence	Total	29/50	(58%)	Mean 58%	SD 0%	Total	33/50	(66%)
.....								
*Pituitary Gland: Pars Distalis or Unspecified Site:								
Carcinoma								
		5/50	(10%)			3/50	(6%)	
Overall Incidence	Total	5/50	(10%)	Mean 10%	SD 0%	Total	3/50	(6%)
.....								
*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%)
.....								
*Pituitary Gland: Pars Intermedia:								
Adenoma								
		2/50	(4%)			0/50	(0%)	
Overall Incidence	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)
.....								
*Pituitary Gland: Pars Intermedia:								
Carcinoma								
		1/50	(2%)			0/50	(0%)	
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*Pituitary Gland: Pars Intermedia:							
 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%)				
Overall Incidence	Total	1/50	(2%)	Mean 2%	SD 0%		
.....							
*Salivary Glands:							
 Carcinoma							
		0/49	(0%)			0/50	(0%)
Overall Incidence	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
*Salivary Glands:							
 Carcinoma or Adenoma							
		0/49	(0%)			0/50	(0%)
Overall Incidence	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							
*Salivary Glands:							
 Sarcoma							
		1/49	(2%)			0/50	(0%)
Overall Incidence	Total	1/49	(2.04%)	Mean 2.04%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*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									
		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:									
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%
.....									
#Skeletal Muscle:									
Hemangiosarcoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
#Skeletal Muscle:									
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%
.....									
#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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Male					Female				
#Skeletal Muscle:									
Rhabdomyosarcoma or Rhabdomyoma									
		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									
		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:									
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 Basosquamous 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%
.....									
#Skin:									
Basal Cell Adenoma, Basosquamous Tumor Benign, or 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:									
Basal 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%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma								
		4/50	(8%)			1/50	(2%)	
Overall Incidence	Total	4/50	(8%)	Mean 8%	SD 0%	Total	1/50	(2%)
.....								
#Skin:								
Fibroma								
		5/50	(10%)			0/50	(0%)	
Overall Incidence	Total	5/50	(10%)	Mean 10%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma								
		5/50	(10%)			0/50	(0%)	
Overall Incidence	Total	5/50	(10%)	Mean 10%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Fibrosarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Fibrous Histiocytoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Hemangioma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Hemangiopericytoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Hemangiosarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Keratoacanthoma								
		3/50	(6%)			1/50	(2%)	
Overall Incidence	Total	3/50	(6%)	Mean 6%	SD 0%	Total	1/50	(2%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#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:									
Melanoma 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%
.....									
#Skin:									
Myxoma									
		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:									
Myxosarcoma									
		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%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Neurofibroma or Schwannoma benign								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Neurofibrosarcoma or Schwannoma (malignant or NOS)								
		2/50	(4%)			2/50	(4%)	
Overall Incidence	Total	2/50	(4%)	Mean 4%	SD 0%	Total	2/50	(4%)
.....								
#Skin:								
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)								
		2/50	(4%)			2/50	(4%)	
Overall Incidence	Total	2/50	(4%)	Mean 4%	SD 0%	Total	2/50	(4%)
.....								
#Skin:								
Osteosarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Sarcoma								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
#Skin:								
Schwannoma Benign								
		0/50	(0%)			0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Schwannoma Malignant								
		2/50	(4%)			2/50	(4%)	
Overall Incidence	Total	2/50	(4%)	Mean 4%	SD 0%	Total	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, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or 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 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 or 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, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma								
		4/50	(8%)			1/50	(2%)	
Overall Incidence	Total	4/50	(8%)	Mean 8%	SD 0%	Total	1/50	(2%)
								Mean 2%
								SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male				Female			
#Skin:								
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma								
		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:								
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%
.....								
#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%)
							Mean 0%	SD 0%
.....								
*Spleen:								
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%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 356
 Report Date: 06/03/2022

		Male				Female			
*Spleen:									
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%
.....									
*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%
.....									
#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 or Papilloma Squamous									
		1/50	(2%)			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 examined microscopically
 #: Denominator is number of animals necropsied

		Male			Female		
#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%
#Stomach, Glandular:							
Carcinoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
						Mean 0%	SD 0%
#Stomach, Glandular:							
Carcinoma or Adenoma							
		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:							
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							
		36/50	(72%)				
Overall Incidence	Total	36/50	(72%)	Mean 72%	SD 0%		

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
*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%
.....							
*Thymus:							
Thymoma: Benign, Malignant, 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%
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female			
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
Overall Incidence	Total	10/50 (20%)	Mean 20%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%
.....								
*Thyroid Gland: Follicular Cell: Adenoma								
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
*Thyroid Gland: Follicular Cell: Carcinoma								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
#Tissue NOS: Fibrosarcoma								
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%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male			Female		
#Tissue NOS:							
Paranglioma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Tissue NOS:							
Sarcoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (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%)
.....							
#Tongue:							
Liposarcoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Tongue:							
Squamous Cell Carcinoma							
		0/50	(0%)		0/50	(0%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
#Tongue:							
Squamous Cell Carcinoma or Papilloma Squamous							
		0/50	(0%)		2/50	(4%)	
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	Total	2/50 (4%)
.....							

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Tongue:									
Squamous Cell Papilloma									
		0/50	(0%)			2/50	(4%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	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%	0/50	(0%)	Mean 0%	SD 0%
.....									
*Urinary Bladder:									
Carcinoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 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%	0/50	(0%)	Mean 0%	SD 0%
.....									
*Urinary Bladder:									
Leiomyosarcoma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%
.....									
*Urinary Bladder:									
Papilloma									
		0/50	(0%)			0/50	(0%)		
Overall Incidence	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 362
 Report Date: 06/03/2022

	Male				Female			
*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	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Carcinoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Hemangioma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								
#Uterus:								
Leiomyoma								
						1/50	(2%)	
Overall Incidence						Total	1/50	(2%)
.....								
#Uterus:								
Leiomyosarcoma								
						0/50	(0%)	
Overall Incidence						Total	0/50	(0%)
.....								

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: 2006
 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: 363
 Report Date: 06/03/2022

	Male	Female
#Uterus:		
Polyp Stromal		
Overall Incidence	Total 10/50 (20%)	Mean 20% SD 0%
#Uterus:		
Sarcoma		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
#Uterus:		
Sarcoma Stromal		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
#Uterus:		
Sarcoma Stromal or Polyp Stromal		
Overall Incidence	Total 10/50 (20%)	Mean 20% SD 0%
#Uterus:		
Schwannoma Malignant		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
#Vagina:		
Leiomyoma		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%

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

Male					Female					
#Vagina:										
Leiomyosarcoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Vagina:										
Polyp										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Vagina:										
Sarcoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Zymbal's Gland:										
Adenoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Zymbal's Gland:										
Carcinoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										
#Zymbal's Gland:										
Carcinoma or Adenoma										
					0/50 (0%)					
Overall Incidence					Total		0/50 (0%)		Mean 0% SD 0%	
.....										

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied