

Version: May2009
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

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

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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	059902407	02/03/03	729	50 (3)	21(661)	518.7	Androstenedione
Southern Research Institute	059100507	06/26/00	730	50 (3)	30(693)	520.6	Methylene blue trihydrate
Female							
Southern Research Institute	059902407	02/03/03	729	50 (5)	38(710)	356.5	Androstenedione
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.

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		Male				Female			
#All Organs: Benign Tumors									
Overall Incidence	Total	47/50 (94%)	47/50 (94%)	SD 0%	Total	44/50 (88%)	47/50 (94%)	SD 4.24%	
		94/100 (94%)	Mean 94%			91/100 (91%)	Mean 91%		
.....									
#All Organs: Malignant Tumors									
Overall Incidence	Total	34/50 (68%)	30/50 (60%)	SD 5.66%	Total	10/50 (20%)	19/50 (38%)	SD 12.73%	
		64/100 (64%)	Mean 64%			29/100 (29%)	Mean 29%		
.....									
#All Organs: Malignant and Benign Tumors									
Overall Incidence	Total	49/50 (98%)	49/50 (98%)	SD 0%	Total	46/50 (92%)	50/50 (100%)	SD 5.66%	
		98/100 (98%)	Mean 98%			96/100 (96%)	Mean 96%		
.....									
#All Organs: Hemangioma									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	SD 1.41%	Total	0/50 (0%)	0/50 (0%)	SD 0%	
		1/100 (1%)	Mean 1%			0/100 (0%)	Mean 0%		
.....									
#All Organs: Hemangiosarcoma									
Overall Incidence	Total	1/50 (2%)	1/50 (2%)	SD 0%	Total	0/50 (0%)	1/50 (2%)	SD 1.41%	
		2/100 (2%)	Mean 2%			1/100 (1%)	Mean 1%		
.....									
#All Organs: Hemangiosarcoma or Hemangioma									
Overall Incidence	Total	1/50 (2%)	2/50 (4%)	SD 1.41%	Total	0/50 (0%)	1/50 (2%)	SD 1.41%	
		3/100 (3%)	Mean 3%			1/100 (1%)	Mean 1%		

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

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	Male					Female				
#All Organs:										
Histiocytic Sarcoma										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
#All Organs:										
Leukemia: Erythrocytic										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#All Organs:										
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated										
		26/50	(52%)	23/50	(46%)		5/50	(10%)	12/50	(24%)
Overall Incidence	Total	49/100	(49%)	Mean 49%	SD 4.24%	Total	17/100	(17%)	Mean 17%	SD 9.9%
.....										
#All Organs:										
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#All Organs:										
Mesothelioma: Benign										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#All Organs:										
Mesothelioma: Benign, Malignant, NOS										
		1/50	(2%)	3/50	(6%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	0/100	(0%)	Mean 0%	SD 0%

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		Male				Female					
#All Organs: Mesothelioma: Malignant											
		1/50	(2%)	3/50	(6%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
#All Organs: Osteoma											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
#All Organs: Osteosarcoma											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
#All Organs: Osteosarcoma or Osteoma											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
*Adrenal Cortex: Adenoma											
		3/50	(6%)	1/50	(2%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
*Adrenal Cortex: Carcinoma											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	

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		Male				Female				
*Adrenal Medulla: Ganglioneuroma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
*Adrenal Medulla: Hemangioma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
*Adrenal Medulla: Pheochromocytoma Benign										
Overall Incidence	Total	7/50 (14%)	9/50 (18%)	Mean 16%	SD 2.83%	Total	3/50 (6%)	2/50 (4%)	Mean 5%	SD 1.41%
.....										
*Adrenal Medulla: Pheochromocytoma Complex										
Overall Incidence	Total	1/50 (2%)	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	0/50 (0%)	Mean 1%	SD 1.41%
.....										
*Adrenal Medulla: Pheochromocytoma Malignant										
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS										
Overall Incidence	Total	8/50 (16%)	11/50 (22%)	Mean 19%	SD 4.24%	Total	4/50 (8%)	2/50 (4%)	Mean 6%	SD 2.83%

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		Male				Female								
#Bone:														
Chondrosarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Bone:														
Chondrosarcoma or Chondroma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Bone:														
Chordoma														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Bone:														
Osteoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Bone:														
Osteosarcoma														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	1/100	(1%)	Mean	1%	SD	1.41%
.....														
#Bone:														
Osteosarcoma or Osteoma														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	1/100	(1%)	Mean	1%	SD	1.41%

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		Male				Female								
*Brain:														
Astrocytoma Malignant														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Brain:														
Ependymoma Benign														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Brain:														
Ependymoma Malignant														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Brain:														
Glioma Malignant														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Brain:														
Granular Cell Tumor Benign														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Brain:														
Medulloblastoma Mal														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%

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		Male				Female				
*Brain:										
Meningioma Malignant										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
*Brain:										
Meningioma: Benign, Malignant, NOS										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
*Brain:										
Oligodendroglioma Benign										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
*Brain:										
Oligodendroglioma Malignant										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
*Brain:										
Oligodendroglioma, Glioma, or Astrocytoma										
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		1/100 (1%)				0/100 (0%)				
.....										
*Brain:										
Osteosarcoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				

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		Male				Female								
*Brain:														
Schwannoma Malignant														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Clitoral/Preputial Gland:														
Adenoma														
		3/50	(6%)	1/50	(2%)			12/50	(24%)	7/50	(14%)			
Overall Incidence	Total	4/100	(4%)	Mean	4%	SD	2.83%	Total	19/100	(19%)	Mean	19%	SD	7.07%
.....														
*Clitoral/Preputial Gland:														
Carcinoma														
		0/50	(0%)	0/50	(0%)			1/50	(2%)	1/50	(2%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	2/100	(2%)	Mean	2%	SD	0%
.....														
*Clitoral/Preputial Gland:														
Carcinoma or Adenoma														
		3/50	(6%)	1/50	(2%)			13/50	(26%)	8/50	(16%)			
Overall Incidence	Total	4/100	(4%)	Mean	4%	SD	2.83%	Total	21/100	(21%)	Mean	21%	SD	7.07%
.....														
*Clitoral/Preputial Gland:														
Fibrosarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Clitoral/Preputial Gland:														
Sarcoma														
		0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%

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		Male				Female						
*Clitoral/Preputial Gland: Squamous Cell Papilloma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Ear: Neural Crest Tumor												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Esophagus: Fibrosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Esophagus: Lipoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Eye: Amelanotic Melanoma, Benign												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Eye: Melanoma Malignant												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%

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	Male					Female								
#Eye:														
Schwannoma Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Harderian Gland:														
Carcinoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Harderian Gland:														
Carcinoma or Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Heart:														
Schwannoma Benign														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
*Heart:														
Schwannoma Malignant														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%
.....														
#Intestine Large: Colon/Rectum:														
Adenoma														
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean	(0%) 0%	SD	0%

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		Male				Female				
#Intestine Large: Colon/Rectum: Carcinoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
#Intestine Large: Colon/Rectum: Carcinoma or Adenoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
#Intestine Large: Colon/Rectum: Hemangioma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
#Intestine Small: Duodenum: Carcinoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
#Intestine Small: Duodenum: Leiomyoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
.....										
#Intestine Small: Jejunum: Carcinoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				

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 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female			
#Intestine Small: Jejunum: Granular Cell Tumor Malignant									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
#Intestine Small: Jejunum: Leiomyoma									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
#Intestine Small: Jejunum: Leiomyosarcoma									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
#Intestine Small: Site Unspecified: Carcinoma									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
#Intestine Small: Site Unspecified: Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female						
#Intestine Small: Site Unspecified: Leiomyoma												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
#Intestine Small: Site Unspecified: Leiomyosarcoma												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
*Islets, Pancreatic: Adenoma												
Overall Incidence	Total	4/50 (8%)	8/100 (8%)	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	3/99 (3.03%)	2/49 (4%)	Mean 3.04%	SD 1.47%
.....												
*Islets, Pancreatic: Carcinoma												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	1/99 (1.01%)	0/49 (0%)	Mean 1%	SD 1.41%
.....												
*Islets, Pancreatic: Carcinoma or Adenoma												
Overall Incidence	Total	4/50 (8%)	8/100 (8%)	4/50 (8%)	Mean 8%	SD 0%	Total	2/50 (4%)	4/99 (4.04%)	2/49 (4%)	Mean 4.04%	SD 0.06%
.....												
*Kidney: Pelvis and Transitional Epithelium: Carcinoma												
Overall Incidence	Total	0/49 (0%)	0/99 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female				
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)					0/100 (0%)			
.....										
*Kidney: Pelvis and Transitional Epithelium: Papilloma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)					0/100 (0%)			
.....										
*Kidney: Renal Tubule: Adenoma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)					0/100 (0%)			
.....										
*Kidney: Renal Tubule: Carcinoma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)					0/100 (0%)			
.....										
*Kidney: Renal Tubule: Carcinoma or Adenoma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)					0/100 (0%)			
.....										
*Kidney: Renal Tubule: Hemangiosarcoma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)					0/100 (0%)			

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female				
*Kidney: Renal Tubule: Lipoma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)				0/100 (0%)				
*Kidney: Renal Tubule: Mesenchymal Tumor Benign										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)				0/100 (0%)				
*Kidney: Renal Tubule: Nephroblastoma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)				0/100 (0%)				
*Kidney: Renal Tubule: Sarcoma										
Overall Incidence	Total	0/49 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/99 (0%)				0/100 (0%)				
*Liver: Cholangioma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)				0/100 (0%)				
*Liver: Hemangiosarcoma										
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		1/100 (1%)				0/100 (0%)				

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

Version: May2009
Contract/Lab: All Laboratories
Species: RATS
Strain: F344
Length of Study: CHRONIC

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

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	Male					Female				
<hr/>										
*Liver:										
Hepatocellular Adenoma										
		2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
<hr style="border-top: 1px dotted black;"/>										
*Liver:										
Hepatocellular Carcinoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
<hr style="border-top: 1px dotted black;"/>										
*Liver:										
Hepatocellular Carcinoma or Hepatoblastoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
<hr style="border-top: 1px dotted black;"/>										
*Liver:										
Hepatocellular Carcinoma or Hepatocellular Adenoma										
		2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
<hr style="border-top: 1px dotted black;"/>										
*Liver:										
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma										
		2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
<hr style="border-top: 1px dotted black;"/>										
*Lung:										
Alveolar/Bronchiolar Adenoma										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female			
*Lung:									
Alveolar/Bronchiolar Carcinoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
*Lung:									
Fibrosarcoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
*Lung:									
Hemangiosarcoma									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
*Lung:									
Sarcoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
*Lung:									
Squamous Cell Carcinoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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 Report Date:04/29/2009

	Male					Female				
#Lymph Node: Hemangiosarcoma										
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		1/100 (1%)					0/100 (0%)			
.....										
#Mammary Gland: Adenolipoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)					0/100 (0%)			
.....										
#Mammary Gland: Adenoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	1/50 (2%)	Mean 2%	SD 0%
		0/100 (0%)					2/100 (2%)			
.....										
#Mammary Gland: Carcinoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	1/50 (2%)	Mean 3%	SD 1.41%
		0/100 (0%)					3/100 (3%)			
.....										
#Mammary Gland: Carcinoma or Adenoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	3/50 (6%)	2/50 (4%)	Mean 5%	SD 1.41%
		0/100 (0%)					5/100 (5%)			
.....										
#Mammary Gland: Fibroadenoma										
Overall Incidence	Total	2/50 (4%)	2/50 (4%)	Mean 4%	SD 0%	Total	35/50 (70%)	28/50 (56%)	Mean 63%	SD 9.9%
		4/100 (4%)					63/100 (63%)			

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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	Male					Female				
#Mammary Gland: Fibroma										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Mammary Gland: Fibroma, Fibroadenoma or Adenoma										
		3/50	(6%)	2/50	(4%)		36/50	(72%)	29/50	(58%)
Overall Incidence	Total	5/100	(5%)	Mean 5%	SD 1.41%	Total	65/100	(65%)	Mean 65%	SD 9.9%
.....										
#Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or Adenoma										
		3/50	(6%)	2/50	(4%)		37/50	(74%)	30/50	(60%)
Overall Incidence	Total	5/100	(5%)	Mean 5%	SD 1.41%	Total	67/100	(67%)	Mean 67%	SD 9.9%
.....										
#Mesentery: Fibrosarcoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Mesentery: Hemangiosarcoma										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Mesentery: Lipoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female								
#Mesentery:														
Rhabdomyosarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Nose:														
Adenoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Nose:														
Chondroma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Nose:														
Squamous Cell Carcinoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):														
Papilloma Squamous or Papilloma														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):														
Squamous Cell Carcinoma														
		0/50	(0%)	1/50	(2%)			0/50	(0%)	1/50	(2%)			
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	1/100	(1%)	Mean	1%	SD	1.41%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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 Report Date:04/29/2009

	Male					Female						
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma												
Overall Incidence	Total	1/50 (2%)	2/100 (2%)	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	1/100 (1%)	1/50 (2%)	Mean 1%	SD 1.41%
.....												
#Oral Mucosa: Squamous Cell Carcinoma												
Overall Incidence	Total	0/50 (0%)	1/100 (1%)	1/50 (2%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	1/100 (1%)	1/50 (2%)	Mean 1%	SD 1.41%
.....												
#Oral Mucosa: Squamous Cell Papilloma												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
*Ovary: Cystadenoma												
Overall Incidence							Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
*Ovary: Granulosa Cell Tumor Benign												
Overall Incidence							Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
*Ovary: Granulosa Cell Tumor Malignant												
Overall Incidence							Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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 Report Date:04/29/2009

		Male			Female		
*Ovary:							
Granulosa Cell Tumor: Benign, Malignant, NOS							
Overall Incidence							
	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....							
*Ovary:							
Granulosa-Theca Tumor Benign							
Overall Incidence							
	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....							
*Ovary:							
Granulosa-Theca Tumor Malignant							
Overall Incidence							
	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....							
*Ovary:							
Tubulostromal Adenoma							
Overall Incidence							
	Total	1/50 (2%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	Mean 1%	SD 1.41%
.....							
*Pancreas:							
Adenoma							
Overall Incidence	Total	3/50 (6%)	3/100 (3%)	0/50 (0%)	0/50 (0%)	Mean 3%	SD 4.24%
	Total	0/50 (0%)	0/100 (0%)	1/49 (2%)	1/49 (2%)	Mean 1.02%	SD 1.44%
.....							
*Pancreas:							
Carcinoma							
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/49 (0%)	Mean 0%	SD 0%
	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/99 (0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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 Report Date:04/29/2009

		Male				Female				
*Pancreas:										
 Carcinoma or Adenoma										
		3/50	(6%)	0/50	(0%)	0/50	(0%)	1/49	(2%)	
Overall Incidence	Total	3/100	(3%)	Mean 3%	SD 4.24%	Total	1/99	(1.01%)	Mean 1.02%	SD 1.44%
.....										
*Pancreas:										
 Mixed Tumor Benign										
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/99	(0%)	Mean 0%	SD 0%
.....										
*Pancreas:										
 Mixed Tumor Malignant										
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%	SD 0%
.....										
*Parathyroid Gland:										
 Adenoma										
		0/48	(0%)	0/50	(0%)	0/49	(0%)	0/47	(0%)	
Overall Incidence	Total	0/98	(0%)	Mean 0%	SD 0%	Total	0/96	(0%)	Mean 0%	SD 0%
.....										
#Peripheral Nerve:										
 Schwannoma Malignant										
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Peripheral Nerve:										
 Schwannoma: Benign, Malignant, NOS										
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female			
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Adenoma									
		19/50 (38%)	25/50 (50%)		19/50 (38%)	36/50 (72%)			
Overall Incidence	Total	44/100 (44%)	Mean 44%	SD 8.49%	Total	55/100 (55%)	Mean 55%	SD 24.04%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma or Adenoma									
		19/50 (38%)	25/50 (50%)		19/50 (38%)	36/50 (72%)			
Overall Incidence	Total	44/100 (44%)	Mean 44%	SD 8.49%	Total	55/100 (55%)	Mean 55%	SD 24.04%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Ganglioneuroma									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Intermedia:									
Adenoma									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Intermedia:									
Carcinoma									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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 Report Date:04/29/2009

		Male				Female			
*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
.....									
*Prostate: Adenoma									
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%					
.....									
*Prostate: Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%					
.....									
*Salivary Glands: Sarcoma									
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
.....									
#Seminal Vesicle: Adenoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%					
.....									
#Skeletal Muscle: Fibrous Histiocytoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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	Male					Female				
#Skeletal Muscle: Hemangioma										
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		1/100 (1%)					0/100 (0%)			
#Skeletal Muscle: Hemangiosarcoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)					0/100 (0%)			
#Skeletal Muscle: Lipoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)					0/100 (0%)			
#Skeletal Muscle: Rhabdomyosarcoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)					0/100 (0%)			
#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)					0/100 (0%)			
#Skeletal Muscle: Sarcoma										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
		0/100 (0%)					0/100 (0%)			

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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	Male					Female				
#Skin:										
Basal Cell Adenoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Skin:										
Basal Cell Adenoma or Basosquamous Tumor Benign										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Skin:										
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
#Skin:										
Basal Cell Carcinoma										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
#Skin:										
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
#Skin:										
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	2/50	(4%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	2/100	(2%)	Mean 2%	SD 2.83%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		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%)	7/50 (14%)		0/50 (0%)	3/50 (6%)			
Overall Incidence	Total	12/100 (12%)	Mean 12%	SD 2.83%	Total	3/100 (3%)	Mean 3%	SD 4.24%	
.....									
#Skin:									
Fibroma									
		5/50 (10%)	6/50 (12%)		3/50 (6%)	1/50 (2%)			
Overall Incidence	Total	11/100 (11%)	Mean 11%	SD 1.41%	Total	4/100 (4%)	Mean 4%	SD 2.83%	
.....									
#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma									
		6/50 (12%)	8/50 (16%)		3/50 (6%)	2/50 (4%)			
Overall Incidence	Total	14/100 (14%)	Mean 14%	SD 2.83%	Total	5/100 (5%)	Mean 5%	SD 1.41%	
.....									
#Skin:									
Fibrosarcoma									
		1/50 (2%)	3/50 (6%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	4/100 (4%)	Mean 4%	SD 2.83%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma									
		1/50 (2%)	3/50 (6%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	4/100 (4%)	Mean 4%	SD 2.83%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
#Skin:									
Fibrous Histiocytoma									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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	Male					Female				
#Skin:										
Hemangioma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Skin:										
Hemangiosarcoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
#Skin:										
Keratoacanthoma										
		3/50	(6%)	3/50	(6%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	6/100	(6%)	Mean 6%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Skin:										
Lipoma										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Skin:										
Liposarcoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Skin:										
Neural Crest Tumor										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female								
#Skin:														
Neural Crest Tumor, Malignant														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin:														
Neurofibroma or Schwannoma benign														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin:														
Neurofibrosarcoma or Schwannoma (malignant or NOS)														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin:														
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin:														
Sarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Skin:														
Schwannoma Benign														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female					
#Skin:											
Schwannoma Malignant											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Squamous Cell Carcinoma											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
#Skin:											
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
#Skin:											
Squamous Cell Papilloma											
		1/50	(2%)	4/50	(8%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	5/100	(5%)	Mean 5%	SD 4.24%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
#Skin:											
Squamous Cell Papilloma or Papilloma											
		1/50	(2%)	4/50	(8%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	5/100	(5%)	Mean 5%	SD 4.24%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
#Skin:											
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma											
		4/50	(8%)	7/50	(14%)			0/50	(0%)	1/50	(2%)
Overall Incidence	Total	11/100	(11%)	Mean 11%	SD 4.24%	Total	1/100	(1%)	Mean 1%	SD 1.41%	

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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 Report Date:04/29/2009

	Male				Female			
#Skin:								
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma								
		4/50 (8%)	7/50 (14%)		0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	11/100 (11%)	Mean 11%	SD 4.24%	Total	1/100 (1%)	Mean 1%	SD 1.41%
.....								
#Skin:								
Trichoepithelioma								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
.....								
#Skin: Sebaceous Gland:								
Adenoma								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
#Skin: Sebaceous Gland:								
Carcinoma								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
#Skin: Sebaceous Gland:								
Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
.....								
#Spinal Cord:								
Astrocytoma Benign								
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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 Report Date:04/29/2009

		Male				Female								
#Spinal Cord:														
Astrocytoma Malignant														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Spinal Cord:														
Glioma Malignant														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
*Spleen:														
Fibrosarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
*Spleen:														
Fibrous Histiocytoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
*Spleen:														
Hemangioma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
*Spleen:														
Hemangiosarcoma														
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/49	(0%)			
Overall Incidence	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/99	(0%)	Mean	0%	SD	0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female								
*Spleen:														
Leiomyosarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
*Spleen:														
Sarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
#Stomach, Forestomach:														
Leiomyosarcoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Stomach, Forestomach:														
Squamous Cell Carcinoma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
#Stomach, Forestomach:														
Squamous Cell Carcinoma or Papilloma Squamous														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%
.....														
#Stomach, Forestomach:														
Squamous Cell Papilloma														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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	Male					Female				
#Stomach, Glandular:										
Lipoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%				Mean	0%
										SD
										0%
.....										
#Stomach, Glandular:										
Sarcoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%				Mean	0%
										SD
										0%
.....										
*Testes:										
Adenoma										
		42/50	(84%)	41/50	(82%)					
Overall Incidence	Total	83/100	(83%)	Mean	83%	SD	1.41%			
.....										
*Thymus:										
Sarcoma										
		0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%				Mean	0%
										SD
										0%
.....										
*Thymus:										
Thymoma Benign										
		0/50	(0%)	0/49	(0%)		0/50	(0%)	1/50	(2%)
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)
				Mean	0%				Mean	1%
										SD
										1.41%
.....										
*Thymus:										
Thymoma Malignant										
		0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%				Mean	0%
										SD
										0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female			
*Thymus:									
Thymoma NOS									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
*Thymus:									
Thymoma: Benign, Malignant, NOS									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	0/99 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
*Thyroid Gland: C-Cell:									
Adenoma									
		3/50 (6%)	6/50 (12%)		4/50 (8%)	7/50 (14%)			
Overall Incidence	Total	9/100 (9%)	Mean 9%	SD 4.24%	Total	11/100 (11%)	Mean 11%	SD 4.24%	
.....									
*Thyroid Gland: C-Cell:									
Carcinoma									
		1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
*Thyroid Gland: C-Cell:									
Carcinoma or Adenoma									
		4/50 (8%)	8/50 (16%)		4/50 (8%)	7/50 (14%)			
Overall Incidence	Total	12/100 (12%)	Mean 12%	SD 5.66%	Total	11/100 (11%)	Mean 11%	SD 4.24%	
.....									
*Thyroid Gland: Follicular Cell:									
Adenoma									
		3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	3/100 (3%)	Mean 3%	SD 4.24%	Total	0/100 (0%)	Mean 0%	SD 0%	

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female						
*Thyroid Gland: Follicular Cell: Carcinoma												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma												
Overall Incidence	Total	3/50 (6%)	3/100 (3%)	0/50 (0%)	Mean 3%	SD 4.24%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
#Tissue NOS: Lipoma												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
#Tissue NOS: Paraganglioma												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
#Tissue NOS: Schwannoma Malignant												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....												
#Tongue: Squamous Cell Carcinoma												
Overall Incidence	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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	Male					Female				
#Tongue:										
Squamous Cell Carcinoma or Papilloma Squamous										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Tongue:										
Squamous Cell Papilloma										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Tooth:										
Adamantinoma Malignant										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
#Tooth:										
Odontoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
*Urinary Bladder:										
Carcinoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
*Urinary Bladder:										
Carcinoma or Papilloma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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	Male					Female						
*Urinary Bladder: Hemangiosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
*Urinary Bladder: Leiomyosarcoma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
*Urinary Bladder: Papilloma												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Uterus: Adenoma												
Overall Incidence							Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Uterus: Carcinoma												
Overall Incidence							Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
#Uterus: Deciduoma Benign												
Overall Incidence							Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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	Male			Female		
#Uterus:						
Hemangioma						
		0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD 0%
.....						
#Uterus:						
Hemangiosarcoma						
		0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD 0%
.....						
#Uterus:						
Leiomyoma						
		0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD 0%
.....						
#Uterus:						
Leiomyosarcoma						
		0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD 0%
.....						
#Uterus:						
Polyp Stromal						
		9/50	(18%)	13/50	(26%)	
Overall Incidence	Total	22/100	(22%)	Mean	22%	SD 5.66%
.....						
#Uterus:						
Sarcoma Stromal						
		0/50	(0%)	2/50	(4%)	
Overall Incidence	Total	2/100	(2%)	Mean	2%	SD 2.83%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male			Female		
#Uterus:							
Sarcoma Stromal or Polyp Stromal							
			9/50 (18%)		15/50 (30%)		
Overall Incidence		Total	24/100 (24%)		Mean 24%		SD 8.49%
.....							
#Uterus:							
Schwannoma Malignant							
			0/50 (0%)		0/50 (0%)		
Overall Incidence		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
#Vagina:							
Polyp							
			0/50 (0%)		0/50 (0%)		
Overall Incidence		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
#Vagina:							
Sarcoma							
			0/50 (0%)		0/50 (0%)		
Overall Incidence		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
#Zymbal's Gland:							
Adenoma							
		0/50 (0%)	0/50 (0%)		0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%
							SD 0%
.....							
#Zymbal's Gland:							
Carcinoma							
		0/50 (0%)	0/50 (0%)		0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%
							SD 0%

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

Version: May2009
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F344
 Length of Study: CHRONIC

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

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		Male				Female				
#Zymbal's Gland:										
Carcinoma or Adenoma										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
									Mean	0%
										SD
										0%

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