

# NTP Historical Controls Report

By Route And Vehicle

RATS

May 2009

# REPORT DESCRIPTION

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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:

<b>Male</b>			<b>Female</b>		
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
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INHALATION	AIR	141
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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: CORN OIL

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Report Date:04/29/2009

**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
<b>Male</b>							
Battelle Columbus Laboratory	058810503	04/22/02	729	50 (3)	35(702)	521.9	Isoeugenol
Battelle Columbus Laboratory	052000705	08/18/04	727	49 (3)	34(692)	515.2	Kava kava extract
Battelle Columbus Laboratory	059902303	03/25/02	729	50 (3)	29(683)	501.9	beta-Myrcene
Battelle Columbus Laboratory	059902005	04/09/03	727	50 (3)	39(685)	514.9	Pulegone
<b>Female</b>							
Battelle Columbus Laboratory	058810503	04/23/02	730	50 (5)	33(699)	339.3	Isoeugenol
Battelle Columbus Laboratory	052000705	08/19/04	728	50 (5)	34(683)	354.3	Kava kava extract
Battelle Columbus Laboratory	059902303	03/26/02	730	50 (5)	31(668)	323.8	beta-Myrcene
Battelle Columbus Laboratory	059902005	04/10/03	728	50 (5)	31(682)	341.2	Pulegone

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

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: CORN OIL

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 Report Date:04/29/2009

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

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

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**Report Date:04/29/2009**

		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		10/50 (20%)	7/49 (14%)	9/50 (18%)		8/50 (16%)	5/50 (10%)	5/50 (10%)	
		4/50 (8%)				4/50 (8%)			
<b>Overall Incidence</b>	Total	30/199 (15.08%)	Mean 15.07%	SD 5.28%	Total	22/200 (11%)	Mean 11%	SD 3.46%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.01%	SD 1.17%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

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

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 Report Date:04/29/2009

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

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

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

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

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

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

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

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

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 Report Date:04/29/2009

		Male				Female			
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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		Male				Female			
<b>*Brain:</b>									
<b>Medulloblastoma Mal</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Meningioma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Meningioma: Benign, Malignant, NOS</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 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

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: CORN OIL**

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		Male				Female								
<b>*Brain:</b>														
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>														
		1/50	(2%)	0/49	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	3/199	(1.51%)	Mean	1.5%	SD	1%	Total	1/200	(0.5%)	Mean	0.5%	SD	1%
.....														
<b>*Brain:</b>														
<b>Osteosarcoma</b>														
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/199	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Schwannoma Malignant</b>														
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/199	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Clitoral/Preputial Gland:</b>														
<b>Adenoma</b>														
		2/50	(4%)	0/49	(0%)	5/50	(10%)	3/48	(6%)	2/50	(4%)	7/50	(14%)	
		3/50	(6%)					3/50	(6%)					
<b>Overall Incidence</b>	Total	10/199	(5.03%)	Mean	5%	SD	4.16%	Total	15/198	(7.58%)	Mean	7.56%	SD	4.41%
.....														
<b>*Clitoral/Preputial Gland:</b>														
<b>Carcinoma</b>														
		2/50	(4%)	1/49	(2%)	0/50	(0%)	2/48	(4%)	2/50	(4%)	0/50	(0%)	
		1/50	(2%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	4/199	(2.01%)	Mean	2.01%	SD	1.63%	Total	4/198	(2.02%)	Mean	2.04%	SD	2.36%

\*: 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**  
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		Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>									
		4/50 (8%)	1/49 (2%)	5/50 (10%)		5/48 (10%)	4/50 (8%)	7/50 (14%)	
		4/50 (8%)				3/50 (6%)			
<b>Overall Incidence</b>	Total	14/199 (7.04%)	Mean 7.01%	SD 3.44%	Total	19/198 (9.6%)	Mean 9.6%	SD 3.44%	
.....									
<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

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

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

**Toxicology Data Management System**  
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**Route: GAVAGE**  
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		Male				Female			
<b>#Esophagus:</b>									
<b>Fibrosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Amelanotic Melanoma, Benign</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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		Male				Female			
<b>#Harderian Gland: Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland: Carcinoma or Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart: Schwannoma Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Heart: Schwannoma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum: Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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		Male				Female			
<b>#Intestine Large: Colon/Rectum: Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum: Hemangioma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum: Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum: Leiomyoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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 Tumor Incidence for Selected Control Animal Groups  
**Route: GAVAGE**  
**Vehicle: CORN OIL**

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		Male				Female			
<b>#Intestine Small: Jejunum: Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Granular Cell Tumor Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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**  
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		Male				Female			
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic: Adenoma</b>									
		4/50 (8%)	4/49 (8%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		2/50 (4%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6.04%	SD 2.36%	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: 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**  
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		Male				Female			
<b>*Islets, Pancreatic: Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>									
		4/50 (8%)	4/49 (8%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		2/50 (4%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	13/199 (6.53%)	Mean 6.54%	SD 1.96%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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**  
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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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**Route: GAVAGE**  
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		Male				Female			
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Cholangioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

Version: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

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

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

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		3/50 (6%)	2/49 (4%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	4/50 (8%)		
		0/50 (0%)			2/50 (4%)				
<b>Overall Incidence</b>	Total	8/199 (4.02%)	Mean 4.02%	SD 2.83%	Total	7/200 (3.5%)	Mean 3.5%	SD 3.42%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		4/50 (8%)	2/49 (4%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	4/50 (8%)		
		1/50 (2%)			2/50 (4%)				
<b>Overall Incidence</b>	Total	10/199 (5.03%)	Mean 5.02%	SD 2.57%	Total	7/200 (3.5%)	Mean 3.5%	SD 3.42%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

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



Version: May2009  
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 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Lung:</b>									
<b>Sarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenolipoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Mammary Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	4/200 (2%)	Mean 2%	SD 2.31%	

\*: 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  
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		Male				Female			
<b>#Mammary Gland: Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		4/50 (8%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	5/200 (2.5%)	Mean 2.5%	SD 3.79%	
.....									
<b>#Mammary Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		4/50 (8%)	3/50 (6%)	0/50 (0%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	9/200 (4.5%)	Mean 4.5%	SD 3.42%	
.....									
<b>#Mammary Gland: Fibroadenoma</b>									
		4/50 (8%)	0/49 (0%)	0/50 (0%)		26/50 (52%)	24/50 (48%)	17/50 (34%)	
		1/50 (2%)				21/50 (42%)			
<b>Overall Incidence</b>	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	88/200 (44%)	Mean 44%	SD 7.83%	
.....									
<b>#Mammary Gland: Fibroma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Fibroma, Fibroadenoma or Adenoma</b>									
		4/50 (8%)	0/49 (0%)	0/50 (0%)		26/50 (52%)	25/50 (50%)	17/50 (34%)	
		1/50 (2%)				22/50 (44%)			
<b>Overall Incidence</b>	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	90/200 (45%)	Mean 45%	SD 8.08%	

\*: 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

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		4/50 (8%)	0/49 (0%)	0/50 (0%)		28/50 (56%)	26/50 (52%)	17/50 (34%)	
		1/50 (2%)				22/50 (44%)			
<b>Overall Incidence</b>	Total	5/199 (2.51%)	Mean 2.5%	SD 3.79%	Total	93/200 (46.5%)	Mean 46.5%	SD 9.71%	
.....									
<b>#Mesentery:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Chondroma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.01%	SD 1.17%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 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

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

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		Male				Female			
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50 (2%) 0/50 (0%)	1/49 (2%)	1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>#Oral Mucosa: Squamous Cell Carcinoma</b>									
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Oral Mucosa: Squamous Cell Papilloma</b>									
		0/50 (0%) 0/50 (0%)	1/49 (2%)	1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.01%	SD 1.17%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary: Cystadenoma</b>									
					0/50 (0%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		
<b>Overall Incidence</b>	Total				1/200 (0.5%)	Mean 0.5%	SD 1%		
.....									
<b>*Ovary: Granulosa Cell Tumor Benign</b>									
					0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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	Male	Female
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor Malignant</b>	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
<b>Overall Incidence</b>	Total 1/200 (0.5%)	Mean 0.5% SD 1%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Benign</b>	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Malignant</b>	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Tubulostromal Adenoma</b>	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (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

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**Route: GAVAGE**  
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		Male				Female			
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		7/50 (14%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	11/199 (5.53%)	Mean 5.51%	SD 5.74%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		8/50 (16%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6.01%	SD 6.72%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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**Route: GAVAGE**  
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		Male				Female			
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/47 (0%)	1/49 (2%)	1/45 (2%)		0/47 (0%)	0/44 (0%)	0/47 (0%)	
		1/49 (2%)				2/46 (4%)			
<b>Overall Incidence</b>	Total	3/190 (1.58%)	Mean 1.58%	SD 1.05%	Total	2/184 (1.09%)	Mean 1.09%	SD 2.17%	
.....									
<b>#Peripheral Nerve:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Peripheral Nerve:</b>									
<b>Schwannoma: Benign, Malignant, NOS</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		19/50 (38%)	21/49 (43%)	6/50 (12%)		25/50 (50%)	29/50 (58%)	25/50 (50%)	
		11/50 (22%)				27/50 (54%)			
<b>Overall Incidence</b>	Total	57/199 (28.64%)	Mean 28.71%	SD 14.27%	Total	106/200 (53%)	Mean 53%	SD 3.83%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

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



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

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**Route: GAVAGE**  
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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		19/50 (38%)	21/49 (43%)	6/50 (12%)		25/50 (50%)	30/50 (60%)	25/50 (50%)	
		11/50 (22%)				27/50 (54%)			
<b>Overall Incidence</b>	Total	57/199 (28.64%)	Mean 28.71%	SD 14.27%	Total	107/200 (53.5%)	Mean 53.5%	SD 4.73%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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

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

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

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**Route: GAVAGE**  
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		Male				Female			
<b>#Skeletal Muscle: Hemangioma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Hemangiosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Lipoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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**Route: GAVAGE**  
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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		0/50 (0%)	2/49 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1.02%	SD 2.04%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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**Route: GAVAGE**  
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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50 (2%)	2/49 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.02%	SD 1.67%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		8/50 (16%)	2/49 (4%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		3/50 (6%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	16/199 (8.04%)	Mean 8.02%	SD 5.4%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		5/50 (10%)	7/49 (14%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		
		3/50 (6%)			3/50 (6%)				
<b>Overall Incidence</b>	Total	18/199 (9.05%)	Mean 9.07%	SD 3.95%	Total	6/200 (3%)	Mean 3%	SD 2.58%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		7/50 (14%)	7/49 (14%)	4/50 (8%)	0/50 (0%)	1/50 (2%)	3/50 (6%)		
		3/50 (6%)			3/50 (6%)				
<b>Overall Incidence</b>	Total	21/199 (10.55%)	Mean 10.57%	SD 4.21%	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

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

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		Male				Female			
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		2/50 (4%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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		Male				Female			
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		7/50 (14%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6%	SD 5.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		2/50 (4%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.92%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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



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

**Toxicology Data Management System**  
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**Vehicle: CORN OIL**

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		Male				Female			
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 3%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	

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

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

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**Route: GAVAGE**  
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		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		7/50 (14%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6%	SD 5.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		7/50 (14%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	12/199 (6.03%)	Mean 6%	SD 5.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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 Tumor Incidence for Selected Control Animal Groups  
**Route: GAVAGE**  
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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>    Carcinoma or Adenoma</b>									
		1/50 (2%)	0/49 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/199 (1.01%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>    Astrocytoma Benign</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Spinal Cord:</b>									
<b>    Astrocytoma Malignant</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>    Glioma Malignant</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.51%	SD 1.02%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Fibrosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

**Toxicology Data Management System**  
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**Route: GAVAGE**  
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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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**  
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		Male				Female			
<b>#Stomach, Forestomach: Leiomyosarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach: Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach: Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Stomach, Forestomach: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Stomach, Glandular: Lipoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		46/50 (92%)	37/49 (76%)	47/50 (94%)					
		46/50 (92%)							
<b>Overall Incidence</b>	Total	176/199 (88.44%)	Mean 88.38%	SD 8.63%					
.....									
<b>*Thymus:</b>									
<b>Sarcoma</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (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: CORN OIL**

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		Male				Female			
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/47 (0%)	0/48 (0%)	0/47 (0%)		0/47 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/192 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		9/50 (18%)	8/49 (16%)	12/50 (24%)		7/50 (14%)	5/50 (10%)	5/50 (10%)	
		8/50 (16%)				8/50 (16%)			
<b>Overall Incidence</b>	Total	37/199 (18.59%)	Mean 18.58%	SD 3.72%	Total	25/200 (12.5%)	Mean 12.5%	SD 3%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Carcinoma</b>									
		6/50 (12%)	0/49 (0%)	0/50 (0%)		3/50 (6%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	6/199 (3.02%)	Mean 3%	SD 6%	Total	3/200 (1.5%)	Mean 1.5%	SD 3%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Carcinoma or Adenoma</b>									
		15/50 (30%)	8/49 (16%)	12/50 (24%)		9/50 (18%)	5/50 (10%)	5/50 (10%)	
		8/50 (16%)				8/50 (16%)			
<b>Overall Incidence</b>	Total	43/199 (21.61%)	Mean 21.58%	SD 6.72%	Total	27/200 (13.5%)	Mean 13.5%	SD 4.12%	

\*: 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**  
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		Male				Female			
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		1/50 (2%)	1/49 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.51%	SD 1.01%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		1/50 (2%)	0/49 (0%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		2/50 (4%)	1/49 (2%)	3/50 (6%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	6/199 (3.02%)	Mean 3.01%	SD 2.58%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Tissue NOS: Lipoma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS: Paraganglioma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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**  
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		Male				Female			
<b>#Tissue NOS:</b>									
<b>Schwannoma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	

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

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

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

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

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	Male	Female
<b>#Uterus:</b>		
<b>Hemangiosarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Leiomyoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Leiomyosarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Polyp Stromal</b>		
	8/50 (16%)	7/50 (14%)
	5/50 (10%)	8/50 (16%)
<b>Overall Incidence</b>	Total 28/200 (14%)	Mean 14% SD 2.83%
.....		
<b>#Uterus:</b>		
<b>Sarcoma Stromal</b>		
	0/50 (0%)	1/50 (2%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	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: 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: CORN OIL**

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		Male			Female			
<b>#Uterus:</b>								
<b>Sarcoma Stromal or Polyp Stromal</b>								
			8/50 (16%)		7/50 (14%)		8/50 (16%)	
			5/50 (10%)					
<b>Overall Incidence</b>		Total	28/200 (14%)		Mean 14%		SD 2.83%	
.....								
<b>#Uterus:</b>								
<b>Schwannoma Malignant</b>								
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
			0/50 (0%)					
<b>Overall Incidence</b>		Total	0/200 (0%)		Mean 0%		SD 0%	
.....								
<b>#Vagina:</b>								
<b>Polyp</b>								
			1/50 (2%)		0/50 (0%)		0/50 (0%)	
			0/50 (0%)					
<b>Overall Incidence</b>		Total	1/200 (0.5%)		Mean 0.5%		SD 1%	
.....								
<b>#Vagina:</b>								
<b>Sarcoma</b>								
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
			0/50 (0%)					
<b>Overall Incidence</b>		Total	0/200 (0%)		Mean 0%		SD 0%	
.....								
<b>#Zymbal's Gland:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%

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

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

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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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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
<b>Male</b>							
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
<b>Female</b>							
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.

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			
<b>#All Organs: Benign Tumors</b>									
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%		
.....									
<b>#All Organs: Malignant Tumors</b>									
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%		
.....									
<b>#All Organs: Malignant and Benign Tumors</b>									
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%		
.....									
<b>#All Organs: Hemangioma</b>									
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%		
.....									
<b>#All Organs: Hemangiosarcoma</b>									
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%		
.....									
<b>#All Organs: Hemangiosarcoma or Hemangioma</b>									
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



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

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

Version: 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				
<b>#All Organs:</b>										
<b>Mesothelioma: Malignant</b>										
		1/50	(2%)	3/50	(6%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#All Organs:</b>										
<b>Osteoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#All Organs:</b>										
<b>Osteosarcoma</b>										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#All Organs:</b>										
<b>Osteosarcoma or Osteoma</b>										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>*Adrenal Cortex:</b>										
<b>Adenoma</b>										
		3/50	(6%)	1/50	(2%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>*Adrenal Cortex:</b>										
<b>Carcinoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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				
<b>*Adrenal Medulla: Ganglioneuroma</b>										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
<b>*Adrenal Medulla: Hemangioma</b>										
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	Mean 0%	SD 0%
.....										
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>										
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%
.....										
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>										
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%
.....										
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>										
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%
.....										
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>										
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%

\*: 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								
<b>#Bone:</b>														
<b>Chondrosarcoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Bone:</b>														
<b>Chondrosarcoma or Chondroma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Bone:</b>														
<b>Chordoma</b>														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Bone:</b>														
<b>Osteoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Bone:</b>														
<b>Osteosarcoma</b>														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	1/100	(1%)	Mean	1%	SD	1.41%
.....														
<b>#Bone:</b>														
<b>Osteosarcoma or Osteoma</b>														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	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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		Male				Female								
<b>*Brain:</b>														
<b>Astrocytoma Malignant</b>														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Ependymoma Benign</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Ependymoma Malignant</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Glioma Malignant</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Granular Cell Tumor Benign</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Medulloblastoma Mal</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	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				
<b>*Brain:</b>										
<b>Meningioma Malignant</b>										
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%)				
.....										
<b>*Brain:</b>										
<b>Meningioma: Benign, Malignant, NOS</b>										
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%)				
.....										
<b>*Brain:</b>										
<b>Oligodendroglioma Benign</b>										
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%)				
.....										
<b>*Brain:</b>										
<b>Oligodendroglioma Malignant</b>										
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%)				
.....										
<b>*Brain:</b>										
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>										
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%)				
.....										
<b>*Brain:</b>										
<b>Osteosarcoma</b>										
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			
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		3/50	(6%)	1/50	(2%)	12/50	(24%)	7/50	(14%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	19/100	(19%)	Mean 19%
									SD 7.07%
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	2/100	(2%)	Mean 2%
									SD 0%
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		3/50	(6%)	1/50	(2%)	13/50	(26%)	8/50	(16%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	21/100	(21%)	Mean 21%
									SD 7.07%
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	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						
<b>*Clitoral/Preputial Gland: Squamous Cell Papilloma</b>												
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%
.....												
<b>#Ear: Neural Crest Tumor</b>												
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%
.....												
<b>#Esophagus: Fibrosarcoma</b>												
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%
.....												
<b>#Esophagus: Lipoma</b>												
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%
.....												
<b>#Eye: Amelanotic Melanoma, Benign</b>												
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%
.....												
<b>#Eye: Melanoma Malignant</b>												
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%

\*: 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						
<b>#Eye:</b>												
<b>Schwannoma Malignant</b>												
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)		
				Mean	0%	SD	0%			Mean	0%	
											SD	0%
.....												
<b>#Harderian Gland:</b>												
<b>Carcinoma</b>												
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)		
				Mean	0%	SD	0%			Mean	0%	
											SD	0%
.....												
<b>#Harderian Gland:</b>												
<b>Carcinoma or Adenoma</b>												
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)		
				Mean	0%	SD	0%			Mean	0%	
											SD	0%
.....												
<b>*Heart:</b>												
<b>Schwannoma Benign</b>												
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)		
				Mean	0%	SD	0%			Mean	0%	
											SD	0%
.....												
<b>*Heart:</b>												
<b>Schwannoma Malignant</b>												
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)		
				Mean	0%	SD	0%			Mean	0%	
											SD	0%
.....												
<b>#Intestine Large: Colon/Rectum:</b>												
<b>Adenoma</b>												
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)		
				Mean	0%	SD	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						
<b>#Intestine Large: Colon/Rectum: Carcinoma</b>												
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%
.....												
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>												
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%
.....												
<b>#Intestine Large: Colon/Rectum: Hemangioma</b>												
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%
.....												
<b>#Intestine Small: Duodenum: Carcinoma</b>												
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%
.....												
<b>#Intestine Small: Duodenum: Leiomyoma</b>												
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%
.....												
<b>#Intestine Small: Jejunum: Carcinoma</b>												
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%

\*: 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				
<b>#Intestine Small: Jejunum: Granular Cell Tumor Malignant</b>										
<b>Overall Incidence</b>	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%)				
.....										
<b>#Intestine Small: Jejunum: Leiomyoma</b>										
<b>Overall Incidence</b>	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%)				
.....										
<b>#Intestine Small: Jejunum: Leiomyosarcoma</b>										
<b>Overall Incidence</b>	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%)				
.....										
<b>#Intestine Small: Site Unspecified: Carcinoma</b>										
<b>Overall Incidence</b>	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%)				
.....										
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>										
<b>Overall Incidence</b>	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%)				
.....										
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>										
<b>Overall Incidence</b>	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						
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>												
<b>Overall Incidence</b>	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%
.....												
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>												
<b>Overall Incidence</b>	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%
.....												
<b>*Islets, Pancreatic: Adenoma</b>												
<b>Overall Incidence</b>	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%
.....												
<b>*Islets, Pancreatic: Carcinoma</b>												
<b>Overall Incidence</b>	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%
.....												
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>												
<b>Overall Incidence</b>	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%
.....												
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>												
<b>Overall Incidence</b>	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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 Report Date:04/29/2009

		Male				Female				
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>										
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%)			
.....										
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>										
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%)			
.....										
<b>*Kidney: Renal Tubule: Adenoma</b>										
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%)			
.....										
<b>*Kidney: Renal Tubule: Carcinoma</b>										
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%)			
.....										
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>										
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%)			
.....										
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>										
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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 Report Date:04/29/2009

		Male				Female				
<b>*Kidney: Renal Tubule: Lipoma</b>										
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%)			
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>										
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%)			
<b>*Kidney: Renal Tubule: Nephroblastoma</b>										
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%)			
<b>*Kidney: Renal Tubule: Sarcoma</b>										
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%)			
<b>*Liver: Cholangioma</b>										
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%)			
<b>*Liver: Hemangiosarcoma</b>										
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				
<b>*Liver:</b>										
<b>Hepatocellular Adenoma</b>										
		2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>*Liver:</b>										
<b>Hepatocellular Carcinoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>*Liver:</b>										
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>*Liver:</b>										
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>										
		2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>*Liver:</b>										
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>										
		2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>*Lung:</b>										
<b>Alveolar/Bronchiolar Adenoma</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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				
<b>*Lung:</b>										
<b>Alveolar/Bronchiolar Carcinoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%				Mean	0%
										SD
										0%
.....										
<b>*Lung:</b>										
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)
				Mean	1%				Mean	0%
										SD
										0%
.....										
<b>*Lung:</b>										
<b>Fibrosarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%				Mean	0%
										SD
										0%
.....										
<b>*Lung:</b>										
<b>Hemangiosarcoma</b>										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)
				Mean	1%				Mean	0%
										SD
										0%
.....										
<b>*Lung:</b>										
<b>Sarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%				Mean	0%
										SD
										0%
.....										
<b>*Lung:</b>										
<b>Squamous Cell Carcinoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(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				
<b>#Lymph Node: Hemangiosarcoma</b>										
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%)			
.....										
<b>#Mammary Gland: Adenolipoma</b>										
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%)			
.....										
<b>#Mammary Gland: Adenoma</b>										
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%)			
.....										
<b>#Mammary Gland: Carcinoma</b>										
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%)			
.....										
<b>#Mammary Gland: Carcinoma or Adenoma</b>										
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%)			
.....										
<b>#Mammary Gland: Fibroadenoma</b>										
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				
<b>#Mammary Gland: Fibroma</b>										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Mammary Gland: Fibroma, Fibroadenoma or Adenoma</b>										
		3/50	(6%)	2/50	(4%)		36/50	(72%)	29/50	(58%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 1.41%	Total	65/100	(65%)	Mean 65%	SD 9.9%
.....										
<b>#Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>										
		3/50	(6%)	2/50	(4%)		37/50	(74%)	30/50	(60%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 1.41%	Total	67/100	(67%)	Mean 67%	SD 9.9%
.....										
<b>#Mesentery: Fibrosarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Mesentery: Hemangiosarcoma</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Mesentery: Lipoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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								
<b>#Mesentery:</b>														
<b>Rhabdomyosarcoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Nose:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Nose:</b>														
<b>Chondroma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Nose:</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>														
<b>Papilloma Squamous or Papilloma</b>														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	1/50	(2%)			0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	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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	Male					Female						
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>												
<b>Overall Incidence</b>	Total	1/50 (2%)	2/100 (2%)	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	1/50 (2%)	1/100 (1%)	Mean 1%	SD 1.41%
.....												
<b>#Oral Mucosa: Squamous Cell Carcinoma</b>												
<b>Overall Incidence</b>	Total	0/50 (0%)	1/100 (1%)	1/50 (2%)	Mean 1%	SD 1.41%	Total	0/50 (0%)	1/50 (2%)	1/100 (1%)	Mean 1%	SD 1.41%
.....												
<b>#Oral Mucosa: Squamous Cell Papilloma</b>												
<b>Overall Incidence</b>	Total	0/50 (0%)	0/100 (0%)	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	0/50 (0%)	0/100 (0%)	Mean 0%	SD 0%
.....												
<b>*Ovary: Cystadenoma</b>												
<b>Overall Incidence</b>							Total	0/50 (0%)	0/50 (0%)	0/100 (0%)	Mean 0%	SD 0%
.....												
<b>*Ovary: Granulosa Cell Tumor Benign</b>												
<b>Overall Incidence</b>							Total	0/50 (0%)	0/50 (0%)	0/100 (0%)	Mean 0%	SD 0%
.....												
<b>*Ovary: Granulosa Cell Tumor Malignant</b>												
<b>Overall Incidence</b>							Total	0/50 (0%)	0/50 (0%)	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		
<b>*Ovary:</b>							
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Benign</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Granulosa-Theca Tumor Malignant</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>*Ovary:</b>							
<b>Tubulostromal Adenoma</b>							
			1/50 (2%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	1/100 (1%)		Mean 1%		SD 1.41%
.....							
<b>*Pancreas:</b>							
<b>Adenoma</b>							
		3/50 (6%)	0/50 (0%)		0/50 (0%)	1/49 (2%)	
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 4.24%	Total	1/99 (1.01%)	Mean 1.02% SD 1.44%
.....							
<b>*Pancreas:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	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**  
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		Male				Female			
<b>*Pancreas:</b>									
<b>  Carcinoma or Adenoma</b>									
		3/50	(6%)	0/50	(0%)	0/50	(0%)	1/49	(2%)
<b>Overall Incidence</b>	Total	3/100	(3%)	Mean 3%	SD 4.24%	Total	1/99	(1.01%)	Mean 1.02%
									SD 1.44%
.....									
<b>*Pancreas:</b>									
<b>  Mixed Tumor Benign</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/99	(0%)	Mean 0%
									SD 0%
.....									
<b>*Pancreas:</b>									
<b>  Mixed Tumor Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/99	(0%)	Mean 0%
									SD 0%
.....									
<b>*Parathyroid Gland:</b>									
<b>  Adenoma</b>									
		0/48	(0%)	0/50	(0%)	0/49	(0%)	0/47	(0%)
<b>Overall Incidence</b>	Total	0/98	(0%)	Mean 0%	SD 0%	Total	0/96	(0%)	Mean 0%
									SD 0%
.....									
<b>#Peripheral Nerve:</b>									
<b>  Schwannoma Malignant</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%
									SD 0%
.....									
<b>#Peripheral Nerve:</b>									
<b>  Schwannoma: Benign, Malignant, NOS</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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**  
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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma</b>									
		19/50 (38%)	25/50 (50%)		19/50 (38%)	36/50 (72%)			
<b>Overall Incidence</b>	Total	44/100 (44%)	Mean 44%	SD 8.49%	Total	55/100 (55%)	Mean 55%	SD 24.04%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma</b>									
		19/50 (38%)	25/50 (50%)		19/50 (38%)	36/50 (72%)			
<b>Overall Incidence</b>	Total	44/100 (44%)	Mean 44%	SD 8.49%	Total	55/100 (55%)	Mean 55%	SD 24.04%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site: Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia: Adenoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	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						
<b>*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma</b>												
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%
.....												
<b>*Prostate: Adenoma</b>												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) 1%	SD 1.41%						
.....												
<b>*Prostate: Carcinoma or Adenoma</b>												
Overall Incidence	Total	0/50 1/100	(0%) (1%)	1/50 Mean 1%	(2%) 1%	SD 1.41%						
.....												
<b>*Salivary Glands: Sarcoma</b>												
Overall Incidence	Total	1/50 1/100	(2%) (1%)	0/50 Mean 1%	(0%) 1%	SD 1.41%	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
<b>#Seminal Vesicle: Adenoma</b>												
Overall Incidence	Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%						
.....												
<b>#Skeletal Muscle: Fibrous Histiocytoma</b>												
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%

\*: 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				
<b>#Skeletal Muscle: Hemangioma</b>										
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%)			
.....										
<b>#Skeletal Muscle: Hemangiosarcoma</b>										
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%)			
.....										
<b>#Skeletal Muscle: Lipoma</b>										
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%)			
.....										
<b>#Skeletal Muscle: Rhabdomyosarcoma</b>										
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%)			
.....										
<b>#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma</b>										
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%)			
.....										
<b>#Skeletal Muscle: Sarcoma</b>										
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				
<b>#Skin:</b>										
<b>Basal Cell Adenoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Skin:</b>										
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Skin:</b>										
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Basal Cell Carcinoma</b>										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	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				
<b>#Skin:</b>										
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>										
		5/50	(10%)	7/50	(14%)		0/50	(0%)	3/50	(6%)
<b>Overall Incidence</b>	Total	12/100	(12%)	Mean 12%	SD 2.83%	Total	3/100	(3%)	Mean 3%	SD 4.24%
.....										
<b>#Skin:</b>										
<b>Fibroma</b>										
		5/50	(10%)	6/50	(12%)		3/50	(6%)	1/50	(2%)
<b>Overall Incidence</b>	Total	11/100	(11%)	Mean 11%	SD 1.41%	Total	4/100	(4%)	Mean 4%	SD 2.83%
.....										
<b>#Skin:</b>										
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>										
		6/50	(12%)	8/50	(16%)		3/50	(6%)	2/50	(4%)
<b>Overall Incidence</b>	Total	14/100	(14%)	Mean 14%	SD 2.83%	Total	5/100	(5%)	Mean 5%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Fibrosarcoma</b>										
		1/50	(2%)	3/50	(6%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>										
		1/50	(2%)	3/50	(6%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	4/100	(4%)	Mean 4%	SD 2.83%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Fibrous Histiocytoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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				
<b>#Skin:</b>										
<b>Hemangioma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Skin:</b>										
<b>Hemangiosarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	1/100	(1%)	Mean 1%	SD 1.41%
.....										
<b>#Skin:</b>										
<b>Keratoacanthoma</b>										
		3/50	(6%)	3/50	(6%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	6/100	(6%)	Mean 6%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Skin:</b>										
<b>Lipoma</b>										
		1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Skin:</b>										
<b>Liposarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%
.....										
<b>#Skin:</b>										
<b>Neural Crest Tumor</b>										
		0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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								
<b>#Skin:</b>														
<b>Neural Crest Tumor, Malignant</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Neurofibroma or Schwannoma benign</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Schwannoma Benign</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	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					
<b>#Skin:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean 0%	SD 0%	Total	0/100	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>											
		1/50	(2%)	0/50	(0%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean 1%	SD 1.41%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Papilloma</b>											
		1/50	(2%)	4/50	(8%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 4.24%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Papilloma or Papilloma</b>											
		1/50	(2%)	4/50	(8%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	5/100	(5%)	Mean 5%	SD 4.24%	Total	1/100	(1%)	Mean 1%	SD 1.41%	
.....											
<b>#Skin:</b>											
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>											
		4/50	(8%)	7/50	(14%)			0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	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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		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		4/50	(8%)	7/50	(14%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	11/100	(11%)	Mean	11%	SD	4.24%	Total	1/100 (1%)
				Mean	1%			SD	1.41%
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100 (1%)
				Mean	1%			SD	1.41%
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100 (0%)
				Mean	0%			SD	0%
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100 (0%)
				Mean	0%			SD	0%
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100 (0%)
				Mean	0%			SD	0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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								
<b>#Spinal Cord:</b>														
<b>Astrocytoma Malignant</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Spinal Cord:</b>														
<b>Glioma Malignant</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Spleen:</b>														
<b>Fibrosarcoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
<b>*Spleen:</b>														
<b>Fibrous Histiocytoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
<b>*Spleen:</b>														
<b>Hemangioma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
<b>*Spleen:</b>														
<b>Hemangiosarcoma</b>														
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/49	(0%)			
<b>Overall Incidence</b>	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								
<b>*Spleen:</b>														
<b>Leiomyosarcoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
<b>*Spleen:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/99	(0%)	Mean	0%	SD	0%
.....														
<b>#Stomach, Forestomach:</b>														
<b>Leiomyosarcoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Stomach, Forestomach:</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Stomach, Forestomach:</b>														
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)	Mean	1%	SD	1.41%
.....														
<b>#Stomach, Forestomach:</b>														
<b>Squamous Cell Papilloma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	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				
<b>#Stomach, Glandular:</b>										
<b>Lipoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%					SD
<b>#Stomach, Glandular:</b>										
<b>Sarcoma</b>										
		0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%					SD
<b>*Testes:</b>										
<b>Adenoma</b>										
		42/50	(84%)	41/50	(82%)					
<b>Overall Incidence</b>	Total	83/100	(83%)	Mean	83%	SD	1.41%			
<b>*Thymus:</b>										
<b>Sarcoma</b>										
		0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%					SD
<b>*Thymus:</b>										
<b>Thymoma Benign</b>										
		0/50	(0%)	0/49	(0%)		0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/99	(0%)	Mean	0%	SD	0%	Total	1/100	(1%)
				Mean	0%					SD
<b>*Thymus:</b>										
<b>Thymoma Malignant</b>										
		0/50	(0%)	0/49	(0%)		0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/99	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)
				Mean	0%					SD

\*: 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			
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	0/99 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		3/50 (6%)	6/50 (12%)		4/50 (8%)	7/50 (14%)			
<b>Overall Incidence</b>	Total	9/100 (9%)	Mean 9%	SD 4.24%	Total	11/100 (11%)	Mean 11%	SD 4.24%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	3/100 (3%)	Mean 3%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Carcinoma or Adenoma</b>									
		4/50 (8%)	8/50 (16%)		4/50 (8%)	7/50 (14%)			
<b>Overall Incidence</b>	Total	12/100 (12%)	Mean 12%	SD 5.66%	Total	11/100 (11%)	Mean 11%	SD 4.24%	
.....									
<b>*Thyroid Gland: Follicular Cell:</b>									
<b>Adenoma</b>									
		3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	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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 Report Date:04/29/2009

		Male				Female						
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>												
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%
.....												
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>												
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%
.....												
<b>#Tissue NOS: Lipoma</b>												
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%
.....												
<b>#Tissue NOS: Paraganglioma</b>												
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%
.....												
<b>#Tissue NOS: Schwannoma Malignant</b>												
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%
.....												
<b>#Tongue: Squamous Cell Carcinoma</b>												
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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 Report Date:04/29/2009

	Male					Female								
<b>#Tongue:</b>														
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Tongue:</b>														
<b>Squamous Cell Papilloma</b>														
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/100	(1%)	Mean	1%	SD	1.41%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Tooth:</b>														
<b>Adamantinoma Malignant</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>#Tooth:</b>														
<b>Odontoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Urinary Bladder:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD	0%	Total	0/100	(0%)	Mean	0%	SD	0%
.....														
<b>*Urinary Bladder:</b>														
<b>Carcinoma or Papilloma</b>														
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	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						
<b>*Urinary Bladder: Hemangiosarcoma</b>												
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%
.....												
<b>*Urinary Bladder: Leiomyosarcoma</b>												
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%
.....												
<b>*Urinary Bladder: Papilloma</b>												
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%
.....												
<b>#Uterus: Adenoma</b>												
Overall Incidence							Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
<b>#Uterus: Carcinoma</b>												
Overall Incidence							Total	0/50 0/100	(0%) (0%)	0/50 Mean 0%	(0%) 0%	SD 0%
.....												
<b>#Uterus: Deciduoma Benign</b>												
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		
<b>#Uterus:</b>						
<b>Hemangioma</b>						
		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD 0%
.....						
<b>#Uterus:</b>						
<b>Hemangiosarcoma</b>						
		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD 0%
.....						
<b>#Uterus:</b>						
<b>Leiomyoma</b>						
		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD 0%
.....						
<b>#Uterus:</b>						
<b>Leiomyosarcoma</b>						
		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/100	(0%)	Mean	0%	SD 0%
.....						
<b>#Uterus:</b>						
<b>Polyp Stromal</b>						
		9/50	(18%)	13/50	(26%)	
<b>Overall Incidence</b>	Total	22/100	(22%)	Mean	22%	SD 5.66%
.....						
<b>#Uterus:</b>						
<b>Sarcoma Stromal</b>						
		0/50	(0%)	2/50	(4%)	
<b>Overall Incidence</b>	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		
<b>#Uterus:</b>							
<b>Sarcoma Stromal or Polyp Stromal</b>							
			9/50 (18%)		15/50 (30%)		
<b>Overall Incidence</b>		Total	24/100 (24%)		Mean 24%		SD 8.49%
.....							
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>		Total	0/100 (0%)		Mean 0%		SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 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

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

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\*: 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: WATER

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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
<b>Male</b>							
Battelle Columbus Laboratory	058812305	03/21/01	727	50 (3)	26(673)	509.7	Formamide
Battelle Columbus Laboratory	052000505	01/21/04	727	50 (3)	30(679)	498.5	Ginseng
Battelle Columbus Laboratory	059501107	03/06/02	727	50 (3)	22(673)	510.3	5-(Hydroxymethyl)-2-furfural
<b>Female</b>							
Battelle Columbus Laboratory	058812305	03/20/01	730	50 (5)	38(703)	358.3	Formamide
Battelle Columbus Laboratory	052000505	01/22/04	728	50 (5)	36(700)	355.0	Ginseng
Battelle Columbus Laboratory	059501107	03/07/02	728	50 (5)	31(679)	332.2	5-(Hydroxymethyl)-2-furfural

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

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: WATER**

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		Male			Female		
<b>#All Organs: Benign Tumors</b>							
		45/50 (90%)	49/50 (98%)	50/50 (100%)	43/50 (86%)	42/50 (84%)	46/50 (92%)
<b>Overall Incidence</b>	Total	144/150 (96%)	Mean 96%	SD 5.29%	Total 131/150 (87.33%)	Mean 87.33%	SD 4.16%
.....							
<b>#All Organs: Malignant Tumors</b>							
		25/50 (50%)	26/50 (52%)	35/50 (70%)	15/50 (30%)	10/50 (20%)	16/50 (32%)
<b>Overall Incidence</b>	Total	86/150 (57.33%)	Mean 57.33%	SD 11.02%	Total 41/150 (27.33%)	Mean 27.33%	SD 6.43%
.....							
<b>#All Organs: Malignant and Benign Tumors</b>							
		48/50 (96%)	49/50 (98%)	50/50 (100%)	49/50 (98%)	45/50 (90%)	48/50 (96%)
<b>Overall Incidence</b>	Total	147/150 (98%)	Mean 98%	SD 2%	Total 142/150 (94.67%)	Mean 94.67%	SD 4.16%
.....							
<b>#All Organs: Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs: Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs: Hemangiosarcoma or Hemangioma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%

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

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: WATER**

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 Report Date:04/29/2009

		Male				Female								
<b>#All Organs:</b>														
<b>Histiocytic Sarcoma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs:</b>														
<b>Leukemia: Erythrocytic</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs:</b>														
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>														
		15/50	(30%)	18/50	(36%)	28/50	(56%)	10/50	(20%)	6/50	(12%)	9/50	(18%)	
<b>Overall Incidence</b>	Total	61/150	(40.67%)	Mean	40.67%	SD	13.61%	Total	25/150	(16.67%)	Mean	16.67%	SD	4.16%
.....														
<b>#All Organs:</b>														
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs:</b>														
<b>Mesothelioma: Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs:</b>														
<b>Mesothelioma: Benign, Malignant, NOS</b>														
		2/50	(4%)	2/50	(4%)	2/50	(4%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	6/150	(4%)	Mean	4%	SD	0%	Total	2/150	(1.33%)	Mean	1.33%	SD	2.31%

\*: 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: WATER**

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 Report Date:04/29/2009

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

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

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 Report Date:04/29/2009

		Male			Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Adrenal Medulla: Hemangioma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>								
Overall Incidence	Total	9/50 (18%) 18/150 (12%)	4/50 (8%) Mean 12%	5/50 (10%) SD 5.29%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>								
Overall Incidence	Total	9/50 (18%) 18/150 (12%)	4/50 (8%) Mean 12%	5/50 (10%) SD 5.29%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%

\*: 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: WATER**

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		Male				Female					
<b>#Bone:</b>											
<b>Chondrosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Chondrosarcoma or Chondroma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Chordoma</b>											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Bone:</b>											
<b>Osteosarcoma or Osteoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	

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

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

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



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: WATER**

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		Male				Female			
<b>*Brain:</b>									
<b>Meningioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Meningioma: Benign, Malignant, NOS</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%

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

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: WATER**

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		Male			Female		
<b>*Brain:</b>							
<b>Schwannoma Malignant</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Clitoral/Preputial Gland:</b>							
<b>Adenoma</b>							
<b>Overall Incidence</b>	Total	1/50 (2%)	0/50 (0%)	5/50 (10%)	2/50 (4%)	1/50 (2%)	
		6/150 (4%)	Mean 4%	SD 5.29%	Total	6/150 (4%)	
						Mean 4%	
						SD 2%	
.....							
<b>*Clitoral/Preputial Gland:</b>							
<b>Carcinoma</b>							
<b>Overall Incidence</b>	Total	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	
		2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	
						Mean 0.67%	
						SD 1.15%	
.....							
<b>*Clitoral/Preputial Gland:</b>							
<b>Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	2/50 (4%)	0/50 (0%)	6/50 (12%)	2/50 (4%)	2/50 (4%)	
		8/150 (5.33%)	Mean 5.33%	SD 6.11%	Total	7/150 (4.67%)	
						Mean 4.67%	
						SD 1.15%	
.....							
<b>*Clitoral/Preputial Gland:</b>							
<b>Fibrosarcoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Clitoral/Preputial Gland:</b>							
<b>Sarcoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	

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

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: WATER**

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		Male				Female			
<b>*Clitoral/Preputial Gland: Squamous Cell Papilloma</b>									
<b>Overall Incidence</b>	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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus: Fibrosarcoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus: Lipoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye: Amelanotic Melanoma, Benign</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye: Melanoma Malignant</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: 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: WATER**

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		Male				Female					
<b>#Eye:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Benign</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	

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

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		Male				Female							
<b>#Intestine Large: Colon/Rectum: Carcinoma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%
.....													
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 1/150	(0%) (0.67%)	0/50 Mean 0.67%	(0%) 0.67%	1/50 SD 1.15%	(2%) 1.15%
.....													
<b>#Intestine Large: Colon/Rectum: Hemangioma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%
.....													
<b>#Intestine Small: Duodenum: Carcinoma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%
.....													
<b>#Intestine Small: Duodenum: Leiomyoma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 1/150	(0%) (0.67%)	1/50 Mean 0.67%	(2%) 0.67%	0/50 SD 1.15%	(0%) 1.15%
.....													
<b>#Intestine Small: Jejunum: Carcinoma</b>													
Overall Incidence	Total	0/50 1/150	(0%) (0.67%)	1/50 Mean 0.67%	(2%) 0.67%	0/50 SD 1.15%	(0%) 1.15%	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 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: WATER**

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		Male				Female			
<b>#Intestine Small: Jejunum: Granular Cell Tumor Malignant</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyosarcoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

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

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: WATER**

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		Male				Female							
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%			
.....													
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>*Islets, Pancreatic: Adenoma</b>													
		2/50	(4%)	0/50	(0%)	2/50	(4%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/150	(2.67%)	Mean 2.67%	SD 2.31%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%			
.....													
<b>*Islets, Pancreatic: Carcinoma</b>													
		1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean 2%	SD 2%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>													
		3/50	(6%)	0/50	(0%)	4/50	(8%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	7/150	(4.67%)	Mean 4.67%	SD 4.16%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%			
.....													
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			

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

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: WATER**

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		Male				Female			
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Adenoma</b>									
Overall Incidence	Total	1/50 (2%)	1/50 (2%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
Overall Incidence	Total	1/50 (2%)	2/50 (4%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

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



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: WATER**

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		Male				Female			
<b>*Kidney: Renal Tubule: Lipoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Cholangioma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hemangiosarcoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

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

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: WATER**

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		Male				Female							
<b>*Liver:</b>													
<b>Hepatocellular Adenoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 2.31%			
.....													
<b>*Liver:</b>													
<b>Hepatocellular Carcinoma</b>													
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>*Liver:</b>													
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>													
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>*Liver:</b>													
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>													
		0/50	(0%)	1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	2/150	(1.33%)	Mean 1.33%	SD 2.31%			
.....													
<b>*Liver:</b>													
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>													
		0/50	(0%)	1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	2/150	(1.33%)	Mean 1.33%	SD 2.31%			
.....													
<b>*Lung:</b>													
<b>Alveolar/Bronchiolar Adenoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%			

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

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		Male				Female								
<b>*Lung:</b>														
<b>Alveolar/Bronchiolar Carcinoma</b>														
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>*Lung:</b>														
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>														
		1/50	(2%)	0/50	(0%)	1/50	(2%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%	Total	3/150	(2%)	Mean	2%	SD	2%
.....														
<b>*Lung:</b>														
<b>Fibrosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Lung:</b>														
<b>Hemangiosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Lung:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Lung:</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: WATER**

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

\*: 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: WATER**

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	Male					Female								
<b>#Mammary Gland: Fibroma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Mammary Gland: Fibroma, Fibroadenoma or Adenoma</b>														
		4/50	(8%)	2/50	(4%)	1/50	(2%)	33/50	(66%)	33/50	(66%)	30/50	(60%)	
<b>Overall Incidence</b>	Total	7/150	(4.67%)	Mean	4.67%	SD	3.06%	Total	96/150	(64%)	Mean	64%	SD	3.46%
.....														
<b>#Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>														
		4/50	(8%)	2/50	(4%)	1/50	(2%)	35/50	(70%)	33/50	(66%)	30/50	(60%)	
<b>Overall Incidence</b>	Total	7/150	(4.67%)	Mean	4.67%	SD	3.06%	Total	98/150	(65.33%)	Mean	65.33%	SD	5.03%
.....														
<b>#Mesentery: Fibrosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Mesentery: Hemangiosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Mesentery: Lipoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: WATER**

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		Male				Female			
<b>#Mesentery:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%
									SD 1.15%
.....									
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%
									SD 1.15%

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

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	Male					Female				
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	
.....										
<b>#Oral Mucosa: Squamous Cell Carcinoma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	
.....										
<b>#Oral Mucosa: Squamous Cell Papilloma</b>										
<b>Overall Incidence</b>	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
.....										
<b>*Ovary: Cystadenoma</b>										
<b>Overall Incidence</b>						Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	
.....										
<b>*Ovary: Granulosa Cell Tumor Benign</b>										
<b>Overall Incidence</b>						Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	
.....										
<b>*Ovary: Granulosa Cell Tumor Malignant</b>										
<b>Overall Incidence</b>						Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	

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

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		Male			Female			
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
			0/50 (0%)		0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>		Total	0/149 (0%)		Mean 0%	SD 0%		
.....								
<b>*Ovary:</b>								
<b>Granulosa-Theca Tumor Benign</b>								
			0/50 (0%)		0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>		Total	0/149 (0%)		Mean 0%	SD 0%		
.....								
<b>*Ovary:</b>								
<b>Granulosa-Theca Tumor Malignant</b>								
			0/50 (0%)		0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>		Total	0/149 (0%)		Mean 0%	SD 0%		
.....								
<b>*Ovary:</b>								
<b>Tubulostromal Adenoma</b>								
			0/50 (0%)		0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>		Total	0/149 (0%)		Mean 0%	SD 0%		
.....								
<b>*Pancreas:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

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



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: WATER**

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		Male				Female								
<b>*Pancreas:</b>														
<b>  Carcinoma or Adenoma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Pancreas:</b>														
<b>  Mixed Tumor Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Pancreas:</b>														
<b>  Mixed Tumor Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Parathyroid Gland:</b>														
<b>  Adenoma</b>														
		0/48	(0%)	0/50	(0%)	0/49	(0%)	0/46	(0%)	0/48	(0%)			
<b>Overall Incidence</b>	Total	0/147	(0%)	Mean	0%	SD	0%	Total	0/142	(0%)	Mean	0%	SD	0%
.....														
<b>#Peripheral Nerve:</b>														
<b>  Schwannoma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Peripheral Nerve:</b>														
<b>  Schwannoma: Benign, Malignant, NOS</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: WATER**

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		Male			Female		
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Adenoma</b>							
		11/50 (22%)	20/50 (40%)	15/50 (30%)	22/50 (44%)	16/50 (32%)	24/50 (48%)
<b>Overall Incidence</b>	Total	46/150 (30.67%)	Mean 30.67%	SD 9.02%	Total 62/150 (41.33%)	Mean 41.33%	SD 8.33%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 3/150 (2%)	Mean 2%	SD 2%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Carcinoma or Adenoma</b>							
		11/50 (22%)	20/50 (40%)	15/50 (30%)	24/50 (48%)	16/50 (32%)	25/50 (50%)
<b>Overall Incidence</b>	Total	46/150 (30.67%)	Mean 30.67%	SD 9.02%	Total 65/150 (43.33%)	Mean 43.33%	SD 9.87%
.....							
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Ganglioneuroma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%
.....							
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total 0/150 (0%)	Mean 0%	SD 0%

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

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: WATER**

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 Report Date:04/29/2009

		Male				Female			
<b>*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate: Adenoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%					
.....									
<b>*Prostate: Carcinoma or Adenoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%					
.....									
<b>*Salivary Glands: Sarcoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Seminal Vesicle: Adenoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%					
.....									
<b>#Skeletal Muscle: Fibrous Histiocytoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

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

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: WATER**

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		Male				Female			
<b>#Skeletal Muscle: Hemangioma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%		0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Hemangiosarcoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%		0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Lipoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%		0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%		0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%		0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Sarcoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%		0/150 (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: WATER**

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		Male			Female		
<b>#Skin:</b>							
<b>Basal Cell Adenoma</b>							
		1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 0%	Total	2/150 (1.33%)	Mean 1.33% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>							
		1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 0%	Total	2/150 (1.33%)	Mean 1.33% SD 1.15%
.....							
<b>#Skin:</b>							
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>							
		1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 0%	Total	3/150 (2%)	Mean 2% SD 2%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0% SD 0%
.....							
<b>#Skin:</b>							
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>							
		1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 0%	Total	3/150 (2%)	Mean 2% SD 2%

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

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		Male				Female			
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		10/50 (20%)	2/50 (4%)	4/50 (8%)		4/50 (8%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	16/150 (10.67%)	Mean 10.67%	SD 8.33%	Total	7/150 (4.67%)	Mean 4.67%	SD 4.16%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		6/50 (12%)	2/50 (4%)	5/50 (10%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	13/150 (8.67%)	Mean 8.67%	SD 4.16%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		7/50 (14%)	3/50 (6%)	6/50 (12%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	16/150 (10.67%)	Mean 10.67%	SD 4.16%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	

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

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		Male				Female					
<b>#Skin:</b>											
<b>Hemangioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Keratoacanthoma</b>											
		8/50	(16%)	0/50	(0%)	2/50	(4%)	2/50	(4%)	0/50	(0%)
<b>Overall Incidence</b>	Total	10/150	(6.67%)	Mean 6.67%	SD 8.33%	Total	4/150	(2.67%)	Mean 2.67%	SD 2.31%	
.....											
<b>#Skin:</b>											
<b>Lipoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Liposarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Skin:</b>											
<b>Neural Crest Tumor</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

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

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: WATER**

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		Male			Female			
<b>#Skin:</b>								
<b>Neural Crest Tumor, Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibroma or Schwannoma benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>								
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>								
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>#Skin:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

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



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: WATER**

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		Male				Female								
<b>#Skin:</b>														
<b>Schwannoma Malignant</b>														
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>														
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Papilloma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Papilloma or Papilloma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>														
		9/50	(18%)	1/50	(2%)	3/50	(6%)	2/50	(4%)	3/50	(6%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	13/150	(8.67%)	Mean	8.67%	SD	8.33%	Total	5/150	(3.33%)	Mean	3.33%	SD	3.06%

\*: 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: WATER**

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		Male				Female								
<b>#Skin:</b>														
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>														
		9/50	(18%)	0/50	(0%)	2/50	(4%)	2/50	(4%)	3/50	(6%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	11/150	(7.33%)	Mean	7.33%	SD	9.45%	Total	5/150	(3.33%)	Mean	3.33%	SD	3.06%
.....														
<b>#Skin:</b>														
<b>Trichoepithelioma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Skin: Sebaceous Gland:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin: Sebaceous Gland:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin: Sebaceous Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Spinal Cord:</b>														
<b>Astrocytoma Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: WATER**

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		Male				Female							
<b>#Spinal Cord: Astrocytoma Malignant</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%
.....													
<b>#Spinal Cord: Glioma Malignant</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	1/50 1/150	(2%) (0.67%)	Mean 0.67%	(0%) 1.15%	0/50 SD 1.15%	(0%) 0%
.....													
<b>*Spleen: Fibrosarcoma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 0/150	(0%) (0%)	Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%
.....													
<b>*Spleen: Fibrous Histiocytoma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 0/150	(0%) (0%)	Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%
.....													
<b>*Spleen: Hemangioma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 0/150	(0%) (0%)	Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%
.....													
<b>*Spleen: Hemangiosarcoma</b>													
Overall Incidence	Total	0/50 0/150	(0%) (0%)	0/50 Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 0%	0/50 0/150	(0%) (0%)	Mean 0%	(0%) 0%	0/50 SD 0%	(0%) 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: WATER**

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		Male				Female								
<b>*Spleen:</b>														
<b>Leiomyosarcoma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Spleen:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Stomach, Forestomach:</b>														
<b>Leiomyosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Stomach, Forestomach:</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Stomach, Forestomach:</b>														
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Stomach, Forestomach:</b>														
<b>Squamous Cell Papilloma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: WATER**

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		Male			Female		
<b>#Stomach, Glandular:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>#Stomach, Glandular:</b>							
<b>Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Testes:</b>							
<b>Adenoma</b>							
		44/50 (88%)	45/50 (90%)	48/50 (96%)			
<b>Overall Incidence</b>	Total	137/150 (91.33%)	Mean 91.33%	SD 4.16%			
.....							
<b>*Thymus:</b>							
<b>Sarcoma</b>							
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Thymus:</b>							
<b>Thymoma Benign</b>							
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	1/48 (2%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	
						Mean 0.69%	
						SD 1.2%	
.....							
<b>*Thymus:</b>							
<b>Thymoma Malignant</b>							
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	1/48 (2%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	1/144 (0.69%)	
						Mean 0.69%	
						SD 1.2%	

\*: 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: WATER**

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		Male			Female			
<b>*Thymus:</b>								
<b>Thymoma NOS</b>								
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
.....								
<b>*Thymus:</b>								
<b>Thymoma: Benign, Malignant, NOS</b>								
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	1/48 (2%)	1/48 (2%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	2/144 (1.39%)	Mean 1.39%	SD 1.2%
.....								
<b>*Thyroid Gland: C-Cell:</b>								
<b>Adenoma</b>								
		6/50 (12%)	11/50 (22%)	1/50 (2%)	5/50 (10%)	6/50 (12%)	11/50 (22%)	
<b>Overall Incidence</b>	Total	18/150 (12%)	Mean 12%	SD 10%	Total	22/150 (14.67%)	Mean 14.67%	SD 6.43%
.....								
<b>*Thyroid Gland: C-Cell:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
.....								
<b>*Thyroid Gland: C-Cell:</b>								
<b>Carcinoma or Adenoma</b>								
		6/50 (12%)	11/50 (22%)	1/50 (2%)	5/50 (10%)	6/50 (12%)	12/50 (24%)	
<b>Overall Incidence</b>	Total	18/150 (12%)	Mean 12%	SD 10%	Total	23/150 (15.33%)	Mean 15.33%	SD 7.57%
.....								
<b>*Thyroid Gland: Follicular Cell:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

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

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		Male				Female			
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
Overall Incidence	Total	1/50 (2%)	1/50 (2%)	2/50 (4%)	Total	0/50 (0%)	0/50 (0%)	2/50 (4%)	
		4/150 (2.67%)	Mean 2.67%	SD 1.15%		2/150 (1.33%)	Mean 1.33%	SD 2.31%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
Overall Incidence	Total	1/50 (2%)	1/50 (2%)	3/50 (6%)	Total	0/50 (0%)	0/50 (0%)	2/50 (4%)	
		5/150 (3.33%)	Mean 3.33%	SD 2.31%		2/150 (1.33%)	Mean 1.33%	SD 2.31%	
.....									
<b>#Tissue NOS: Lipoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/150 (0%)	Mean 0%	SD 0%		0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS: Paraganglioma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/150 (0%)	Mean 0%	SD 0%		0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS: Schwannoma Malignant</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/150 (0%)	Mean 0%	SD 0%		0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue: Squamous Cell Carcinoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/150 (0%)	Mean 0%	SD 0%		0/150 (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: WATER**

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	Male					Female								
<b>#Tongue:</b>														
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Tongue:</b>														
<b>Squamous Cell Papilloma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Tooth:</b>														
<b>Adamantinoma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Tooth:</b>														
<b>Odontoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Urinary Bladder:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Urinary Bladder:</b>														
<b>Carcinoma or Papilloma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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



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

**Toxicology Data Management System**  
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**Route: GAVAGE**  
**Vehicle: WATER**

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	Male					Female					
<b>*Urinary Bladder: Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Urinary Bladder: Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Urinary Bladder: Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Uterus: Adenoma</b>											
						0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Uterus: Carcinoma</b>											
						0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Uterus: Deciduoma Benign</b>											
						0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>						Total	0/150	(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: WATER**

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	Male		Female
<b>#Uterus:</b>			
<b>Hemangioma</b>			
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0% SD 0%
.....			
<b>#Uterus:</b>			
<b>Hemangiosarcoma</b>			
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0% SD 0%
.....			
<b>#Uterus:</b>			
<b>Leiomyoma</b>			
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0% SD 0%
.....			
<b>#Uterus:</b>			
<b>Leiomyosarcoma</b>			
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0% SD 0%
.....			
<b>#Uterus:</b>			
<b>Polyp Stromal</b>			
		7/50 (14%)	8/50 (16%)
<b>Overall Incidence</b>	Total	23/150 (15.33%)	Mean 15.33% SD 1.15%
.....			
<b>#Uterus:</b>			
<b>Sarcoma Stromal</b>			
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (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: WATER**

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		Male			Female		
<b>#Uterus:</b>							
<b>Sarcoma Stromal or Polyp Stromal</b>							
			7/50 (14%)		8/50 (16%)		8/50 (16%)
<b>Overall Incidence</b>		Total	23/150 (15.33%)		Mean 15.33%		SD 1.15%
.....							
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			1/50 (2%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	1/150 (0.67%)		Mean 0.67%		SD 1.15%
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
							SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
							SD 0%

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

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:** WATER

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	Male					Female				
<b>#Zymbal's Gland:</b>										
<b>Carcinoma or Adenoma</b>		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		

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\*: 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: INHALATION  
 Vehicle: AIR

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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
<b>Male</b>							
Battelle Northwest	052001105	07/14/03	729	50 (5)	23(678)	526.9	1-Bromopropane
Battelle Northwest	059601105	06/04/01	729	50 (5)	26(676)	540.9	Cumene
Battelle Northwest	059901705	08/25/03	729	50 (5)	28(686)	525.6	Diethylamine
Battelle Northwest	059700601	05/25/00	726	50 (5)	32(693)	529.7	Methyl isobutyl ketone
Battelle Northwest	058800603	08/06/01	729	50 (5)	27(680)	537.2	alpha-Methylstyrene
Battelle Northwest	059700805	10/01/01	729	49 (5)	27(683)	525.0	Propargyl alcohol
Battelle Northwest	059302507	06/16/03	729	50 (5)	20(668)	536.2	Tetralin
<b>Female</b>							
Battelle Northwest	052001105	07/14/03	730	50 (5)	34(702)	386.5	1-Bromopropane
Battelle Northwest	059601105	06/04/01	731	50 (5)	21(674)	356.9	Cumene
Battelle Northwest	059901705	08/25/03	730	50 (5)	31(687)	378.3	Diethylamine
Battelle Northwest	059700601	05/25/00	727	50 (5)	35(694)	365.6	Methyl isobutyl ketone
Battelle Northwest	058800603	08/06/01	730	50 (5)	27(647)	351.9	alpha-Methylstyrene
Battelle Northwest	059700805	10/01/01	730	50 (5)	29(678)	353.3	Propargyl alcohol
Battelle Northwest	059302507	06/16/03	730	50 (5)	31(682)	370.8	Tetralin

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

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: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>#All Organs:</b>									
<b>Benign Tumors</b>									
		48/50 (96%)	48/50 (96%)	44/50 (88%)	45/50 (90%)	44/50 (88%)	43/50 (86%)	43/50 (86%)	
		50/50 (100%)	48/50 (96%)	48/49 (98%)	44/50 (88%)	43/50 (86%)	42/50 (84%)	42/50 (84%)	
		48/50 (96%)			40/50 (80%)				
<b>Overall Incidence</b>	Total	334/349 (95.7%)	Mean 95.71%	SD 3.72%	Total	301/350 (86%)	Mean 86%	SD 3.27%	
.....									
<b>#All Organs:</b>									
<b>Malignant Tumors</b>									
		38/50 (76%)	36/50 (72%)	31/50 (62%)	26/50 (52%)	24/50 (48%)	24/50 (48%)	24/50 (48%)	
		31/50 (62%)	32/50 (64%)	32/49 (65%)	22/50 (44%)	25/50 (50%)	26/50 (52%)	26/50 (52%)	
		33/50 (66%)			25/50 (50%)				
<b>Overall Incidence</b>	Total	233/349 (66.76%)	Mean 66.76%	SD 5.3%	Total	172/350 (49.14%)	Mean 49.14%	SD 2.79%	
.....									
<b>#All Organs:</b>									
<b>Malignant and Benign Tumors</b>									
		50/50 (100%)	50/50 (100%)	49/50 (98%)	49/50 (98%)	50/50 (100%)	48/50 (96%)	48/50 (96%)	
		50/50 (100%)	50/50 (100%)	49/49 (100%)	46/50 (92%)	46/50 (92%)	47/50 (94%)	47/50 (94%)	
		50/50 (100%)			46/50 (92%)				
<b>Overall Incidence</b>	Total	348/349 (99.71%)	Mean 99.71%	SD 0.76%	Total	332/350 (94.86%)	Mean 94.86%	SD 3.24%	
.....									
<b>#All Organs:</b>									
<b>Hemangioma</b>									
		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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male					Female						
<b>#All Organs:</b>													
<b>Hemangiosarcoma</b>													
		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%)	2/50	(4%)
		1/50	(2%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	2/349 (0.57%)		Mean 0.57%		SD 0.98%		<b>Total</b>		2/350 (0.57%)		Mean 0.57% SD 1.51%	
.....													
<b>#All Organs:</b>													
<b>Hemangiosarcoma or Hemangioma</b>													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	2/50	(4%)
		1/50	(2%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	3/349 (0.86%)		Mean 0.86%		SD 1.07%		<b>Total</b>		3/350 (0.86%)		Mean 0.86% SD 1.57%	
.....													
<b>#All Organs:</b>													
<b>Histiocytic Sarcoma</b>													
		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%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					2/50	(4%)				
<b>Overall Incidence</b>	<b>Total</b>	1/349 (0.29%)		Mean 0.29%		SD 0.76%		<b>Total</b>		4/350 (1.14%)		Mean 1.14% SD 1.95%	
.....													
<b>#All Organs:</b>													
<b>Leukemia: Erythrocytic</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		29/50 (58%)	26/50 (52%)	25/50 (50%)		16/50 (32%)	12/50 (24%)	15/50 (30%)	
		25/50 (50%)	26/50 (52%)	21/49 (43%)		14/50 (28%)	18/50 (36%)	20/50 (40%)	
		25/50 (50%)				17/50 (34%)			
<b>Overall Incidence</b>	Total	177/349 (50.72%)	Mean 50.69%	SD 4.47%	Total	112/350 (32%)	Mean 32%	SD 5.29%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	5/349 (1.43%)	Mean 1.43%	SD 2.23%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
*: 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: INHALATION**  
**Vehicle: AIR**

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		Male				Female							
<b>#All Organs:</b>													
<b>Mesothelioma: Malignant</b>													
		0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(2%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	5/349 (1.43%)		Mean 1.43%		SD 2.23%		Total 0/350 (0%)		Mean 0%		SD 0%	
.....													
<b>#All Organs:</b>													
<b>Osteoma</b>													
		0/50	(0%)	0/50	(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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		Total 0/350 (0%)		Mean 0%		SD 0%	
.....													
<b>#All Organs:</b>													
<b>Osteosarcoma</b>													
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		3/50	(6%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	6/349 (1.72%)		Mean 1.72%		SD 2.43%		Total 1/350 (0.29%)		Mean 0.29%		SD 0.76%	
.....													
<b>#All Organs:</b>													
<b>Osteosarcoma or Osteoma</b>													
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		3/50	(6%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	6/349 (1.72%)		Mean 1.72%		SD 2.43%		Total 1/350 (0.29%)		Mean 0.29%		SD 0.76%	

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Adrenal Cortex: Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	4/50 (8%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)		
		0/50 (0%)			8/50 (16%)				
<b>Overall Incidence</b>	<b>Total</b>	2/349 (0.57%)	Mean 0.57%	SD 0.98%	<b>Total</b>	17/350 (4.86%)	Mean 4.86%	SD 5.87%	
.....									
<b>*Adrenal Cortex: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/349 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		10/50 (20%)	7/50 (14%)	7/50 (14%)	2/50 (4%)	1/50 (2%)	0/50 (0%)		
		8/50 (16%)	8/50 (16%)	8/49 (16%)	3/50 (6%)	1/49 (2%)	1/50 (2%)		
		9/50 (18%)			2/50 (4%)				
<b>Overall Incidence</b>	<b>Total</b>	<b>57/349 (16.33%)</b>	<b>Mean 16.33%</b>	<b>SD 2.13%</b>	<b>Total</b>	<b>10/349 (2.87%)</b>	<b>Mean 2.86%</b>	<b>SD 1.95%</b>	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	<b>3/349 (0.86%)</b>	<b>Mean 0.86%</b>	<b>SD 1.57%</b>	<b>Total</b>	<b>2/349 (0.57%)</b>	<b>Mean 0.57%</b>	<b>SD 0.98%</b>	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	2/50 (4%)	3/49 (6%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		4/50 (8%)			1/50 (2%)				
<b>Overall Incidence</b>	<b>Total</b>	<b>11/349 (3.15%)</b>	<b>Mean 3.16%</b>	<b>SD 3.04%</b>	<b>Total</b>	<b>2/349 (0.57%)</b>	<b>Mean 0.57%</b>	<b>SD 0.98%</b>	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		11/50 (22%)	7/50 (14%)	10/50 (20%)	3/50 (6%)	3/50 (6%)	0/50 (0%)		
		8/50 (16%)	10/50 (20%)	10/49 (20%)	3/50 (6%)	1/49 (2%)	1/50 (2%)		
		12/50 (24%)			3/50 (6%)				
<b>Overall Incidence</b>	<b>Total</b>	<b>68/349 (19.48%)</b>	<b>Mean 19.49%</b>	<b>SD 3.42%</b>	<b>Total</b>	<b>14/349 (4.01%)</b>	<b>Mean 4.01%</b>	<b>SD 2.58%</b>	

\*: 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: INHALATION  
 Vehicle: AIR

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 Report Date:04/29/2009

		Male				Female								
<b>#Bone:</b>														
<b>Chondrosarcoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	Total	0/349	(0%)	Mean	0%	SD	0%	Total	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Bone:</b>														
<b>Chondrosarcoma or Chondroma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	Total	0/349	(0%)	Mean	0%	SD	0%	Total	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Bone:</b>														
<b>Chordoma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	2/349	(0.57%)	Mean	0.58%	SD	0.99%	Total	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Bone:</b>														
<b>Osteoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	Total	0/349	(0%)	Mean	0%	SD	0%	Total	0/350	(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: INHALATION**  
**Vehicle: AIR**

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		Male				Female								
<b>#Bone:</b>														
<b>Osteosarcoma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		3/50	(6%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	5/349	(1.43%)	Mean	1.43%	SD	2.23%	Total	1/350	(0.29%)	Mean	0.29%	SD	0.76%
.....														
<b>#Bone:</b>														
<b>Osteosarcoma or Osteoma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		3/50	(6%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	5/349	(1.43%)	Mean	1.43%	SD	2.23%	Total	1/350	(0.29%)	Mean	0.29%	SD	0.76%
.....														
<b>*Brain:</b>														
<b>Astrocytoma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/349	(0%)	Mean	0%	SD	0%	Total	1/350	(0.29%)	Mean	0.29%	SD	0.76%
.....														
<b>*Brain:</b>														
<b>Ependymoma Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/349	(0%)	Mean	0%	SD	0%	Total	0/350	(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: INHALATION  
 Vehicle: AIR

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		Male				Female								
<b>*Brain:</b>														
<b>Ependymoma Malignant</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Glioma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	3/350	(0.86%)	Mean	0.86%	SD	1.07%
.....														
<b>*Brain:</b>														
<b>Granular Cell Tumor Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Medulloblastoma Mal</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	Mean	0.29%	SD	0.76%	<b>Total</b>	0/350	(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: INHALATION**  
**Vehicle: AIR**

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		Male				Female								
<b>*Brain:</b>														
<b>Meningioma Malignant</b>														
		0/50	(0%)	0/50	(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%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Meningioma: Benign, Malignant, NOS</b>														
		0/50	(0%)	0/50	(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%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Oligodendroglioma Benign</b>														
		0/50	(0%)	0/50	(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%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Oligodendroglioma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)			0/50	(0%)			0/50	(0%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	1/350	(0.29%)	Mean	0.29%	SD	0.76%

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	5/350 (1.43%)	Mean 1.43%	SD 1.9%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		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%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		4/50 (8%)	0/50 (0%)	0/50 (0%)	3/49 (6%)	1/50 (2%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)	3/49 (6%)	0/50 (0%)	0/50 (0%)	4/50 (8%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	7/349 (2.01%)	Mean 2.02%	SD 3.49%	Total	9/349 (2.58%)	Mean 2.59%	SD 3.23%	

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male					Female				
<b>*Clitoral/Preputial Gland: Carcinoma</b>											
		2/50 (4%)	0/50 (0%)	1/50 (2%)		1/49 (2%)	2/50 (4%)	0/50 (0%)			
		1/50 (2%)	2/50 (4%)	0/49 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)			
		0/50 (0%)				4/50 (8%)					
<b>Overall Incidence</b>	<b>Total</b>	6/349 (1.72%)	Mean 1.71%	SD 1.8%		Total 9/349 (2.58%)	Mean 2.58%	SD 2.76%			
.....											
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>											
		6/50 (12%)	0/50 (0%)	1/50 (2%)		4/49 (8%)	3/50 (6%)	1/50 (2%)			
		1/50 (2%)	2/50 (4%)	3/49 (6%)		1/50 (2%)	1/50 (2%)	4/50 (8%)			
		0/50 (0%)				4/50 (8%)					
<b>Overall Incidence</b>	<b>Total</b>	13/349 (3.72%)	Mean 3.73%	SD 4.24%		Total 18/349 (5.16%)	Mean 5.17%	SD 3.05%			
.....											
<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)			
		0/50 (0%)				0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%		Total 1/349 (0.29%)	Mean 0.29%	SD 0.76%			
.....											
<b>*Clitoral/Preputial Gland: Sarcoma</b>											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)				0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%		Total 0/349 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Clitoral/Preputial Gland:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	1/349 (0.29%)	Mean 0.29%	SD 0.77%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female								
<b>#Eye:</b>														
<b>Amelanotic Melanoma, Benign</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Eye:</b>														
<b>Melanoma Malignant</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Eye:</b>														
<b>Schwannoma Malignant</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Harderian Gland:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(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: INHALATION**  
**Vehicle: AIR**

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		Male				Female								
<b>#Harderian Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Heart:</b>														
<b>Schwannoma Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	Mean	0.29%	SD	0.77%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Heart:</b>														
<b>Schwannoma Malignant</b>														
		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%)					
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	Mean	0.29%	SD	0.76%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Intestine Large: Colon/Rectum:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#Intestine Large: Colon/Rectum: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (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: INHALATION**  
**Vehicle: AIR**

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 Report Date: 04/29/2009

		Male				Female								
<b>#Intestine Small: Duodenum:</b>														
<b>Leiomyoma</b>														
		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%)					
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	Mean	0.29%	SD	0.76%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Intestine Small: Jejunum:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Intestine Small: Jejunum:</b>														
<b>Granular Cell Tumor Malignant</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Intestine Small: Jejunum:</b>														
<b>Leiomyoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(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: INHALATION**  
**Vehicle: AIR**

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		Male				Female									
<b>#Intestine Small: Jejunum: Leiomyosarcoma</b>															
		0/50	(0%)	0/50	(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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)		Mean 0%		SD 0%	
.....															
<b>#Intestine Small: Site Unspecified: Carcinoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)			0/50	(0%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)		Mean 0%		SD 0%	
.....															
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)			0/50	(0%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)		Mean 0%		SD 0%	
.....															
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)			0/50	(0%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (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: INHALATION  
 Vehicle: AIR

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		Male				Female								
<b>#Intestine Small: Site Unspecified:</b>														
<b>Leiomyoma</b>														
		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%)					
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	Mean	0.29%	SD	0.76%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Intestine Small: Site Unspecified:</b>														
<b>Leiomyosarcoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Islets, Pancreatic:</b>														
<b>Adenoma</b>														
		0/50	(0%)	1/50	(2%)	6/50	(12%)	0/50	(0%)	1/50	(2%)	2/50	(4%)	
		3/50	(6%)	3/50	(6%)	4/49	(8%)	0/50	(0%)	3/50	(6%)	1/50	(2%)	
		3/50	(6%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	20/349	(5.73%)	Mean	5.74%	SD	3.92%	<b>Total</b>	7/350	(2%)	Mean	2%	SD	2.31%
.....														
<b>*Islets, Pancreatic:</b>														
<b>Carcinoma</b>														
		3/50	(6%)	2/50	(4%)	1/50	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	
		4/50	(8%)	1/50	(2%)	5/49	(10%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	17/349	(4.87%)	Mean	4.89%	SD	3.29%	<b>Total</b>	2/350	(0.57%)	Mean	0.57%	SD	0.98%

\*: 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: INHALATION**  
**Vehicle: AIR**

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 Report Date:04/29/2009

		Male				Female									
<b>*Islets, Pancreatic:</b>															
<b>  Carcinoma or Adenoma</b>															
		3/50	(6%)	3/50	(6%)	7/50	(14%)	1/50	(2%)	2/50	(4%)	2/50	(4%)		
		7/50	(14%)	4/50	(8%)	9/49	(18%)	0/50	(0%)	3/50	(6%)	1/50	(2%)		
		4/50	(8%)					0/50	(0%)						
<b>Overall Incidence</b>	<b>Total</b>	37/349 (10.6%)		Mean 10.62%		SD 4.82%		<b>Total</b>		9/350 (2.57%)		Mean 2.57%		SD 2.23%	
.....															
<b>*Kidney: Pelvis and Transitional Epithelium:</b>															
<b>  Carcinoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)						
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/348 (0%)		Mean 0%		SD 0%	
.....															
<b>*Kidney: Pelvis and Transitional Epithelium:</b>															
<b>  Carcinoma or Adenoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)						
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/348 (0%)		Mean 0%		SD 0%	
.....															
<b>*Kidney: Pelvis and Transitional Epithelium:</b>															
<b>  Papilloma</b>															
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)					0/50	(0%)						
<b>Overall Incidence</b>	<b>Total</b>	1/349 (0.29%)		Mean 0.29%		SD 0.76%		<b>Total</b>		0/348 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	2/349 (0.57%)	Mean 0.57%	SD 0.98%	<b>Total</b>	0/348 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	1/349 (0.29%)	Mean 0.29%	SD 0.76%	<b>Total</b>	1/348 (0.29%)	Mean 0.29%	SD 0.77%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		1/50 (2%)	2/50 (4%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	3/349 (0.86%)	Mean 0.86%	SD 1.57%	<b>Total</b>	1/348 (0.29%)	Mean 0.29%	SD 0.77%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/348 (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: INHALATION**  
**Vehicle: AIR**

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 Report Date: 04/29/2009

		Male				Female			
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/348 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/348 (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: INHALATION  
 Vehicle: AIR

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 Report Date: 04/29/2009

		Male				Female									
<b>*Liver:</b>															
<b>Cholangioma</b>															
		0/50	(0%)	0/50	(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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)		Mean 0%		SD 0%	
.....															
<b>*Liver:</b>															
<b>Hemangiosarcoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)			0/50	(0%)			0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)		Mean 0%		SD 0%	
.....															
<b>*Liver:</b>															
<b>Hepatocellular Adenoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
		1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(2%)			0/50	(0%)			0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	2/349 (0.57%)		Mean 0.57%		SD 0.98%		<b>Total</b>		1/350 (0.29%)		Mean 0.29%		SD 0.76%	
.....															
<b>*Liver:</b>															
<b>Hepatocellular Carcinoma</b>															
		2/50	(4%)	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%)	0/50	(0%)		
		0/50	(0%)			0/50	(0%)			0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	3/349 (0.86%)		Mean 0.86%		SD 1.58%		<b>Total</b>		1/350 (0.29%)		Mean 0.29%		SD 0.76%	

\*: 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: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	3/349 (0.86%)	Mean 0.86%	SD 1.58%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	5/349 (1.43%)	Mean 1.43%	SD 1.51%	Total	2/350 (0.57%)	Mean 0.57%	SD 0.98%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	5/349 (1.43%)	Mean 1.43%	SD 1.51%	Total	2/350 (0.57%)	Mean 0.57%	SD 0.98%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	1/49 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	4/349 (1.15%)	Mean 1.15%	SD 1.58%	Total	2/350 (0.57%)	Mean 0.57%	SD 0.98%	

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male					Female				
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Carcinoma</b>											
		1/50 (2%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)			
		1/50 (2%)				0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	4/349 (1.15%)	Mean 1.14%	SD 1.07%		Total	3/350 (0.86%)	Mean 0.86%	SD 1.07%		
.....											
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>											
		3/50 (6%)	2/50 (4%)	1/50 (2%)		2/50 (4%)	1/50 (2%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	1/49 (2%)		1/50 (2%)	0/50 (0%)	1/50 (2%)			
		1/50 (2%)				0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	8/349 (2.29%)	Mean 2.29%	SD 2.14%		Total	5/350 (1.43%)	Mean 1.43%	SD 1.51%		
.....											
<b>*Lung:</b>											
<b>Fibrosarcoma</b>											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)				0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%		Total	0/350 (0%)	Mean 0%	SD 0%		
.....											
<b>*Lung:</b>											
<b>Hemangiosarcoma</b>											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)				0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%		Total	0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female								
<b>*Lung:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(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%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Lung:</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)			0/50	(0%)			0/50	(0%)			
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	Mean	0.29%	SD	0.76%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Lymph Node:</b>														
<b>Hemangiosarcoma</b>														
		0/50	(0%)	0/50	(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%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Mammary Gland:</b>														
<b>Adenolipoma</b>														
		0/50	(0%)	0/50	(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%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(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: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>#Mammary Gland: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	2/349 (0.57%)	Mean 0.58%	SD 1.54%	<b>Total</b>	4/350 (1.14%)	Mean 1.14%	SD 2.27%	
.....									
<b>#Mammary Gland: Carcinoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)	4/50 (8%)	10/50 (20%)	9/50 (18%)		
		2/50 (4%)	0/50 (0%)	0/49 (0%)	5/50 (10%)	3/50 (6%)	7/50 (14%)		
		0/50 (0%)			3/50 (6%)				
<b>Overall Incidence</b>	<b>Total</b>	4/349 (1.15%)	Mean 1.14%	SD 1.95%	<b>Total</b>	41/350 (11.71%)	Mean 11.71%	SD 5.71%	
.....									
<b>#Mammary Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)	4/50 (8%)	10/50 (20%)	10/50 (20%)		
		2/50 (4%)	0/50 (0%)	2/49 (4%)	5/50 (10%)	3/50 (6%)	10/50 (20%)		
		0/50 (0%)			3/50 (6%)				
<b>Overall Incidence</b>	<b>Total</b>	6/349 (1.72%)	Mean 1.73%	SD 2.15%	<b>Total</b>	45/350 (12.86%)	Mean 12.86%	SD 6.82%	
.....									
<b>#Mammary Gland: Fibroadenoma</b>									
		2/50 (4%)	0/50 (0%)	2/50 (4%)	25/50 (50%)	24/50 (48%)	27/50 (54%)		
		2/50 (4%)	1/50 (2%)	1/49 (2%)	22/50 (44%)	22/50 (44%)	26/50 (52%)		
		1/50 (2%)			14/50 (28%)				
<b>Overall Incidence</b>	<b>Total</b>	9/349 (2.58%)	Mean 2.58%	SD 1.51%	<b>Total</b>	160/350 (45.71%)	Mean 45.71%	SD 8.67%	

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Mammary Gland:</b>											
<b>Fibroma</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
								<b>Mean</b>		0%	
								<b>SD</b>		0%	
.....											
<b>#Mammary Gland:</b>											
<b>Fibroma, Fibroadenoma or Adenoma</b>											
		2/50	(4%)	0/50	(0%)	2/50	(4%)	25/50	(50%)	24/50	(48%)
		2/50	(4%)	1/50	(2%)	3/49	(6%)	22/50	(44%)	22/50	(44%)
		1/50	(2%)					14/50	(28%)		
<b>Overall Incidence</b>	<b>Total</b>	11/349 (3.15%)		Mean 3.16%		SD 1.98%		<b>Total</b>		162/350 (46.29%)	
								<b>Mean</b>		46.29%	
								<b>SD</b>		9.27%	
.....											
<b>#Mammary Gland:</b>											
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>											
		2/50	(4%)	2/50	(4%)	2/50	(4%)	27/50	(54%)	31/50	(62%)
		4/50	(8%)	1/50	(2%)	3/49	(6%)	26/50	(52%)	24/50	(48%)
		1/50	(2%)					16/50	(32%)		
<b>Overall Incidence</b>	<b>Total</b>	15/349 (4.3%)		Mean 4.3%		SD 2.15%		<b>Total</b>		185/350 (52.86%)	
								<b>Mean</b>		52.86%	
								<b>SD</b>		10.64%	
.....											
<b>#Mesentery:</b>											
<b>Fibrosarcoma</b>											
		0/50	(0%)	0/50	(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%)		
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
								<b>Mean</b>		0%	
								<b>SD</b>		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: INHALATION**  
**Vehicle: AIR**

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		Male				Female								
<b>#Mesentery:</b>														
<b>Hemangiosarcoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Mesentery:</b>														
<b>Lipoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Mesentery:</b>														
<b>Rhabdomyosarcoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Nose:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)			
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/348	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/348	(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: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/348 (0%)	Mean 0%	SD 0%	Total	1/348 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/348 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>#Oral Mucosa: Squamous Cell Carcinoma</b>									
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Mucosa: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary: Cystadenoma</b>									
					0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
					0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
					0/50 (0%)				
<b>Overall Incidence</b>	Total				0/350 (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: INHALATION  
 Vehicle: AIR

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	Male		Female
<b>*Ovary:</b>			
<b>Granulosa Cell Tumor Benign</b>			
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	0/350 (0%)	Mean 0%      SD 0%
.....			
<b>*Ovary:</b>			
<b>Granulosa Cell Tumor Malignant</b>			
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	1/350 (0.29%)	Mean 0.29%      SD 0.76%
.....			
<b>*Ovary:</b>			
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>			
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	1/350 (0.29%)	Mean 0.29%      SD 0.76%
.....			
<b>*Ovary:</b>			
<b>Granulosa-Theca Tumor Benign</b>			
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	0/350 (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: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>*Ovary:</b>									
<b>Granulosa-Theca Tumor Malignant</b>									
			2/50	(4%)		0/50	(0%)	0/50	(0%)
			0/50	(0%)		0/50	(0%)	0/50	(0%)
			0/50	(0%)					
<b>Overall Incidence</b>			Total	2/350	(0.57%)		Mean	0.57%	SD 1.51%
.....									
<b>*Ovary:</b>									
<b>Tubulostromal Adenoma</b>									
			0/50	(0%)		0/50	(0%)	0/50	(0%)
			0/50	(0%)		0/50	(0%)	0/50	(0%)
			0/50	(0%)					
<b>Overall Incidence</b>			Total	0/350	(0%)		Mean	0%	SD 0%
.....									
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/348	(0%)	Mean	0%	SD	0%	Total	0/350 (0%)
.....									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/348	(0%)	Mean	0%	SD	0%	Total	0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female								
<b>*Pancreas:</b>														
<b>  Carcinoma or Adenoma</b>														
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/348	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Pancreas:</b>														
<b>  Mixed Tumor Benign</b>														
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	2/49	(4%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	2/348	(0.57%)	Mean	0.58%	SD	1.54%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Pancreas:</b>														
<b>  Mixed Tumor Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/348	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>*Parathyroid Gland:</b>														
<b>  Adenoma</b>														
		0/46	(0%)	0/45	(0%)	0/48	(0%)	0/47	(0%)	0/49	(0%)	1/43	(2%)	
		0/49	(0%)	0/47	(0%)	0/47	(0%)	0/46	(0%)	0/43	(0%)	0/49	(0%)	
		0/48	(0%)					0/49	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/330	(0%)	Mean	0%	SD	0%	<b>Total</b>	1/326	(0.31%)	Mean	0.33%	SD	0.88%

\*: 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: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>#Peripheral Nerve:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Peripheral Nerve:</b>									
<b>Schwannoma: Benign, Malignant, NOS</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		37/50 (74%)	36/50 (72%)	31/50 (62%)	35/50 (70%)	35/50 (70%)	29/50 (58%)		
		35/50 (70%)	34/49 (69%)	36/49 (73%)	24/49 (49%)	35/50 (70%)	30/50 (60%)		
		36/50 (72%)			36/49 (73%)				
<b>Overall Incidence</b>	<b>Total</b>	245/348 (70.4%)	Mean 70.41%	SD 4.07%	<b>Total</b>	224/348 (64.37%)	Mean 64.35%	SD 8.89%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		
		0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)			0/49 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	1/348 (0.29%)	Mean 0.29%	SD 0.76%	<b>Total</b>	3/348 (0.86%)	Mean 0.86%	SD 1.57%	

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>  Carcinoma or Adenoma</b>									
		37/50 (74%)	36/50 (72%)	31/50 (62%)		35/50 (70%)	36/50 (72%)	31/50 (62%)	
		35/50 (70%)	34/49 (69%)	36/49 (73%)		24/49 (49%)	35/50 (70%)	30/50 (60%)	
		37/50 (74%)				36/49 (73%)			
<b>Overall Incidence</b>	<b>Total</b>	246/348 (70.69%)	Mean 70.69%	SD 4.26%	<b>Total</b>	227/348 (65.23%)	Mean 65.21%	SD 8.77%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>  Ganglioneuroma</b>									
		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%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	1/348 (0.29%)	Mean 0.29%	SD 0.76%	<b>Total</b>	0/348 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	1/49 (2%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	1/348 (0.29%)	Mean 0.29%	SD 0.77%	<b>Total</b>	0/348 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	0/348 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/348 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	1/49 (2%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/49 (0%)				
<b>Overall Incidence</b>	Total	1/348 (0.29%)	Mean 0.29%	SD 0.77%	Total	0/348 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	0/49 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%					
.....									
<b>*Prostate: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	0/49 (0%)					
		0/50 (0%)							
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%					
.....									
<b>*Salivary Glands: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#Seminal Vesicle:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/49	(0%)		
		0/50	(0%)						
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%		
.....									
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350 (0%)
								Mean	0%
								SD	0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangioma</b>									
		0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350 (0%)
								Mean	0%
								SD	0%
.....									
<b>#Skeletal Muscle:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female								
<b>#Skeletal Muscle:</b>														
<b>Lipoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Skeletal Muscle:</b>														
<b>Rhabdomyosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	1/350	(0.29%)	Mean	0.29%	SD	0.76%
.....														
<b>#Skeletal Muscle:</b>														
<b>Rhabdomyosarcoma or Rhabdomyoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	1/350	(0.29%)	Mean	0.29%	SD	0.76%
.....														
<b>#Skeletal Muscle:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(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: INHALATION  
 Vehicle: AIR

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 Report Date:04/29/2009

		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		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%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	4/349 (1.15%)	Mean 1.15%	SD 1.07%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		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%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	4/349 (1.15%)	Mean 1.15%	SD 1.07%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		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%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	4/349 (1.15%)	Mean 1.15%	SD 1.07%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	4/349 (1.15%)	Mean 1.14%	SD 2.27%	Total	0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/349 (1.15%)	Mean 1.14%	SD 2.27%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		4/50 (8%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	8/349 (2.29%)	Mean 2.29%	SD 2.69%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		1/50 (2%)	5/50 (10%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	2/50 (4%)	5/49 (10%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		5/50 (10%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	19/349 (5.44%)	Mean 5.46%	SD 4.46%	Total	4/350 (1.14%)	Mean 1.14%	SD 1.07%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		3/50 (6%)	3/50 (6%)	1/50 (2%)		2/50 (4%)	0/50 (0%)	1/50 (2%)	
		4/50 (8%)	4/50 (8%)	3/49 (6%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		3/50 (6%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	21/349 (6.02%)	Mean 6.02%	SD 2%	Total	5/350 (1.43%)	Mean 1.43%	SD 1.51%	

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		3/50 (6%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)		
		5/50 (10%)	5/50 (10%)	4/49 (8%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		
		6/50 (12%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	28/349 (8.02%)	Mean 8.02%	SD 2.83%	Total	7/350 (2%)	Mean 2%	SD 1.63%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		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%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		3/50 (6%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	6/349 (1.72%)	Mean 1.72%	SD 2.14%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		3/50 (6%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	7/349 (2.01%)	Mean 2.01%	SD 2%	Total	2/350 (0.57%)	Mean 0.57%	SD 0.98%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
*: 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: INHALATION  
 Vehicle: AIR

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 Report Date: 04/29/2009

		Male				Female					
<b>#Skin:</b>											
<b>Hemangioma</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
<b>#Skin:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)			0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	<b>Total</b>	1/349 (0.29%)		Mean 0.29%		SD 0.76%		<b>Total</b>		0/350 (0%)	
<b>#Skin:</b>											
<b>Keratoacanthoma</b>											
		0/50	(0%)	4/50	(8%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	4/49	(8%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)			0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	<b>Total</b>	10/349 (2.87%)		Mean 2.88%		SD 3.66%		<b>Total</b>		2/350 (0.57%)	
<b>#Skin:</b>											
<b>Lipoma</b>											
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	2/49	(4%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	<b>Total</b>	5/349 (1.43%)		Mean 1.44%		SD 1.92%		<b>Total</b>		0/350 (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: INHALATION  
 Vehicle: AIR

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		Male				Female								
<b>#Skin:</b>														
<b>Liposarcoma</b>														
		0/50	(0%)	0/50	(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%)			
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Neural Crest Tumor</b>														
		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%)	0/50	(0%)	
		0/50	(0%)			0/50	(0%)			0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	Mean	0.29%	SD	0.76%	<b>Total</b>	1/350	(0.29%)	Mean	0.29%	SD	0.76%
.....														
<b>#Skin:</b>														
<b>Neural Crest Tumor, Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)			0/50	(0%)			0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Neurofibroma or Schwannoma benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)			0/50	(0%)			0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(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: INHALATION**  
**Vehicle: AIR**

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 Report Date:04/29/2009

		Male				Female								
<b>#Skin:</b>														
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>														
		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%)			
		1/50	(2%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	2/349	(0.57%)	Mean	0.58%	SD	0.99%	Total	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>														
		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%)			
		1/50	(2%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	2/349	(0.57%)	Mean	0.58%	SD	0.99%	Total	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	Total	0/349	(0%)	Mean	0%	SD	0%	Total	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Schwannoma Benign</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	Total	0/349	(0%)	Mean	0%	SD	0%	Total	0/350	(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: INHALATION**  
**Vehicle: AIR**

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 Report Date:04/29/2009

		Male				Female			
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	2/349 (0.57%)	Mean 0.58%	SD 0.99%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			1/50 (2%)				
<b>Overall Incidence</b>	<b>Total</b>	1/349 (0.29%)	Mean 0.29%	SD 0.76%	<b>Total</b>	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)			1/50 (2%)				
<b>Overall Incidence</b>	<b>Total</b>	5/349 (1.43%)	Mean 1.43%	SD 2.23%	<b>Total</b>	1/350 (0.29%)	Mean 0.29%	SD 0.76%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (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: INHALATION**  
**Vehicle: AIR**

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 Report Date:04/29/2009

		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		1/50 (2%)	4/50 (8%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)	4/49 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	11/349 (3.15%)	Mean 3.17%	SD 3.48%	Total	3/350 (0.86%)	Mean 0.86%	SD 1.07%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		0/50 (0%)	4/50 (8%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)	4/49 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	10/349 (2.87%)	Mean 2.88%	SD 3.66%	Total	2/350 (0.57%)	Mean 0.57%	SD 0.98%	
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	

\*: 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: INHALATION  
 Vehicle: AIR

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 Report Date:04/29/2009

		Male				Female			
<b>#Skin: Sebaceous Gland: Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	6/349 (1.72%)	Mean 1.72%	SD 1.38%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)			0/50 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	6/349 (1.72%)	Mean 1.72%	SD 1.38%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord: Astrocytoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Spinal Cord:</b>											
<b>Astrocytoma Malignant</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
<b>#Spinal Cord:</b>											
<b>Glioma Malignant</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
<b>*Spleen:</b>											
<b>Fibrosarcoma</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
<b>*Spleen:</b>											
<b>Fibrous Histiocytoma</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male						Female					
<b>*Spleen:</b>													
<b>Hemangioma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	<b>Mean 0.29%</b>		<b>SD 0.76%</b>		<b>Total</b>	0/350	(0%)	<b>Mean 0%</b>		<b>SD 0%</b>
.....													
<b>*Spleen:</b>													
<b>Hemangiosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	<b>Mean 0%</b>		<b>SD 0%</b>		<b>Total</b>	1/350	(0.29%)	<b>Mean 0.29%</b>		<b>SD 0.76%</b>
.....													
<b>*Spleen:</b>													
<b>Leiomyosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	<b>Mean 0.29%</b>		<b>SD 0.76%</b>		<b>Total</b>	0/350	(0%)	<b>Mean 0%</b>		<b>SD 0%</b>
.....													
<b>*Spleen:</b>													
<b>Sarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	<b>Mean 0%</b>		<b>SD 0%</b>		<b>Total</b>	0/350	(0%)	<b>Mean 0%</b>		<b>SD 0%</b>

\*: 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: INHALATION**  
**Vehicle: AIR**

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		Male				Female					
<b>#Stomach, Forestomach:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (0%)	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		<b>Total</b>		0/350 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		34/50 (68%)	36/50 (72%)	35/50 (70%)					
		42/50 (84%)	33/50 (66%)	38/49 (78%)					
		29/50 (58%)							
<b>Overall Incidence</b>	<b>Total</b>	247/349 (70.77%)	Mean 70.79%	SD 8.33%					
.....									
<b>*Thymus:</b>									
<b>Sarcoma</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)	0/46 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)
		0/49 (0%)	0/42 (0%)	0/47 (0%)	0/47 (0%)	0/50 (0%)	0/46 (0%)	0/46 (0%)	0/46 (0%)
		0/47 (0%)			0/44 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/321 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/329 (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: INHALATION**  
**Vehicle: AIR**

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		Male				Female			
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)	1/46 (2%)	0/48 (0%)	0/48 (0%)		
		0/49 (0%)	0/42 (0%)	1/47 (2%)	0/47 (0%)	1/50 (2%)	0/46 (0%)		
		0/47 (0%)			0/44 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	1/321 (0.31%)	Mean 0.3%	SD 0.8%	<b>Total</b>	2/329 (0.61%)	Mean 0.6%	SD 1.02%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)	0/46 (0%)	0/48 (0%)	0/48 (0%)		
		0/49 (0%)	0/42 (0%)	0/47 (0%)	0/47 (0%)	0/50 (0%)	0/46 (0%)		
		0/47 (0%)			0/44 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/321 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/329 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)	0/46 (0%)	0/48 (0%)	1/48 (2%)		
		0/49 (0%)	0/42 (0%)	0/47 (0%)	0/47 (0%)	0/50 (0%)	0/46 (0%)		
		0/47 (0%)			0/44 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	0/321 (0%)	Mean 0%	SD 0%	<b>Total</b>	1/329 (0.3%)	Mean 0.3%	SD 0.79%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/43 (0%)	0/49 (0%)	0/44 (0%)	1/46 (2%)	0/48 (0%)	1/48 (2%)		
		0/49 (0%)	0/42 (0%)	1/47 (2%)	0/47 (0%)	1/50 (2%)	0/46 (0%)		
		0/47 (0%)			0/44 (0%)				
<b>Overall Incidence</b>	<b>Total</b>	1/321 (0.31%)	Mean 0.3%	SD 0.8%	<b>Total</b>	3/329 (0.91%)	Mean 0.89%	SD 1.12%	

\*: 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: INHALATION  
 Vehicle: AIR

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		Male				Female			
<b>*Thyroid Gland: C-Cell: Adenoma</b>									
		5/50 (10%)	3/50 (6%)	7/50 (14%)	3/50 (6%)	3/50 (6%)	4/50 (8%)		
		1/50 (2%)	3/49 (6%)	4/49 (8%)	3/50 (6%)	2/50 (4%)	3/50 (6%)		
		5/50 (10%)			3/50 (6%)				
<b>Overall Incidence</b>	Total	28/348 (8.05%)	Mean 8.04%	SD 3.82%	Total	21/350 (6%)	Mean 6%	SD 1.15%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		4/50 (8%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		2/50 (4%)	0/49 (0%)	3/49 (6%)	1/50 (2%)	1/50 (2%)	2/50 (4%)		
		2/50 (4%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	13/348 (3.74%)	Mean 3.73%	SD 2.71%	Total	5/350 (1.43%)	Mean 1.43%	SD 1.51%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		9/50 (18%)	3/50 (6%)	8/50 (16%)	4/50 (8%)	3/50 (6%)	4/50 (8%)		
		3/50 (6%)	3/49 (6%)	7/49 (14%)	4/50 (8%)	3/50 (6%)	5/50 (10%)		
		6/50 (12%)			3/50 (6%)				
<b>Overall Incidence</b>	Total	39/348 (11.21%)	Mean 11.2%	SD 5.15%	Total	26/350 (7.43%)	Mean 7.43%	SD 1.51%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/49 (0%)	1/49 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	1/348 (0.29%)	Mean 0.29%	SD 0.77%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%	

#: 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: INHALATION  
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		Male					Female				
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>											
		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	3/348 (0.86%)	Mean 0.86%	SD 1.57%		<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%		
.....											
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>											
		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	1/49 (2%)	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%)					
<b>Overall Incidence</b>	<b>Total</b>	4/348 (1.15%)	Mean 1.15%	SD 1.58%		<b>Total</b>	1/350 (0.29%)	Mean 0.29%	SD 0.76%		
.....											
<b>#Tissue NOS: Lipoma</b>											
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	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%)					
<b>Overall Incidence</b>	<b>Total</b>	1/349 (0.29%)	Mean 0.29%	SD 0.77%		<b>Total</b>	0/350 (0%)	Mean 0%	SD 0%		
.....											
<b>#Tissue NOS: Paraganglioma</b>											
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)	Mean 0%	SD 0%		<b>Total</b>	0/350 (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: INHALATION**  
**Vehicle: AIR**

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 Report Date: 04/29/2009

		Male				Female								
<b>#Tissue NOS:</b>														
<b>Schwannoma Malignant</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Tongue:</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					1/50	(2%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	1/350	(0.29%)	Mean	0.29%	SD	0.76%
.....														
<b>#Tongue:</b>														
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					1/50	(2%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	1/350	(0.29%)	Mean	0.29%	SD	0.76%
.....														
<b>#Tongue:</b>														
<b>Squamous Cell Papilloma</b>														
		0/50	(0%)	0/50	(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%)					
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(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: INHALATION**  
**Vehicle: AIR**

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		Male					Female				
<b>#Tooth:</b>											
<b>Adamantinoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)					0/50	(0%)		
<b>Overall Incidence</b>	<b>Total</b>	1/349	(0.29%)	Mean	0.29%	SD	0.76%	<b>Total</b>	0/350	(0%)	Mean 0% SD 0%
.....											
<b>#Tooth:</b>											
<b>Odontoma</b>											
		0/50	(0%)	0/50	(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%)		
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/350	(0%)	Mean 0% SD 0%
.....											
<b>*Urinary Bladder:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(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%)	0/49	(0%)
<b>Overall Incidence</b>	<b>Total</b>	0/349	(0%)	Mean	0%	SD	0%	<b>Total</b>	0/349	(0%)	Mean 0% SD 0%
.....											
<b>*Urinary Bladder:</b>											
<b>Carcinoma or Papilloma</b>											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	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%)	0/49	(0%)
<b>Overall Incidence</b>	<b>Total</b>	2/349	(0.57%)	Mean	0.57%	SD	0.98%	<b>Total</b>	0/349	(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: INHALATION**  
**Vehicle: AIR**

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		Male				Female							
<b>*Urinary Bladder:</b>													
<b>Hemangiosarcoma</b>													
		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%)				
<b>Overall Incidence</b>	<b>Total</b>	1/349 (0.29%)		Mean 0.29%		SD 0.76%		Total 0/349 (0%)		Mean 0%		SD 0%	
.....													
<b>*Urinary Bladder:</b>													
<b>Leiomyosarcoma</b>													
		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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/349 (0%)		Mean 0%		SD 0%		Total 1/349 (0.29%)		Mean 0.29%		SD 0.76%	
.....													
<b>*Urinary Bladder:</b>													
<b>Papilloma</b>													
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	2/349 (0.57%)		Mean 0.57%		SD 0.98%		Total 0/349 (0%)		Mean 0%		SD 0%	
.....													
<b>#Uterus:</b>													
<b>Adenoma</b>													
								0/50	(0%)	0/50	(0%)	1/50	(2%)
								0/50	(0%)	0/50	(0%)	0/50	(0%)
								1/50	(2%)				
<b>Overall Incidence</b>	<b>Total</b>							Total 2/350 (0.57%)		Mean 0.57%		SD 0.98%	

\*: 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: INHALATION  
 Vehicle: AIR

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	Male		Female	
<b>#Uterus:</b>				
<b>Carcinoma</b>				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)		
<b>Overall Incidence</b>		<b>Total</b> 1/350 (0.29%)	<b>Mean</b> 0.29%	<b>SD</b> 0.76%
.....				
<b>#Uterus:</b>				
<b>Deciduoma Benign</b>				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		
<b>Overall Incidence</b>		<b>Total</b> 0/350 (0%)	<b>Mean</b> 0%	<b>SD</b> 0%
.....				
<b>#Uterus:</b>				
<b>Hemangioma</b>				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)		
<b>Overall Incidence</b>		<b>Total</b> 1/350 (0.29%)	<b>Mean</b> 0.29%	<b>SD</b> 0.76%
.....				
<b>#Uterus:</b>				
<b>Hemangiosarcoma</b>				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)		
<b>Overall Incidence</b>		<b>Total</b> 1/350 (0.29%)	<b>Mean</b> 0.29%	<b>SD</b> 0.76%

\*: 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: INHALATION**  
**Vehicle: AIR**

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	Male	Female
<b>#Uterus:</b>		
<b>Leiomyoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/350 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Leiomyosarcoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/350 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Polyp Stromal</b>		
	8/50 (16%)	13/50 (26%)
	12/50 (24%)	6/50 (12%)
	6/50 (12%)	12/50 (24%)
<b>Overall Incidence</b>	Total 65/350 (18.57%)	Mean 18.57% SD 5.97%
.....		
<b>#Uterus:</b>		
<b>Sarcoma Stromal</b>		
	2/50 (4%)	1/50 (2%)
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 4/350 (1.14%)	Mean 1.14% SD 1.57%

\*: 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: INHALATION**  
**Vehicle: AIR**

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	Male	Female
<b>#Uterus:</b>		
<b>Sarcoma Stromal or Polyp Stromal</b>		
	10/50 (20%)	14/50 (28%)
	13/50 (26%)	6/50 (12%)
	6/50 (12%)	8/50 (16%)
	12/50 (24%)	
<b>Overall Incidence</b>	Total 69/350 (19.71%)	Mean 19.71% SD 6.58%
.....		
<b>#Uterus:</b>		
<b>Schwannoma Malignant</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/350 (0%)	Mean 0% SD 0%
.....		
<b>#Vagina:</b>		
<b>Polyp</b>		
	0/50 (0%)	2/50 (4%)
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 2/350 (0.57%)	Mean 0.57% SD 1.51%
.....		
<b>#Vagina:</b>		
<b>Sarcoma</b>		
	1/50 (2%)	0/50 (0%)
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 2/350 (0.57%)	Mean 0.57% SD 0.98%

\*: 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: INHALATION**  
**Vehicle: AIR**

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 Report Date:04/29/2009

		Male					Female							
<b>#Zymbal's Gland:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	1/349	(0.29%)	Mean	0.29%	SD	0.76%	Total	0/350	(0%)	Mean	0%	SD	0%
.....														
<b>#Zymbal's Gland:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	
		1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					1/50	(2%)					
<b>Overall Incidence</b>	Total	2/349	(0.57%)	Mean	0.57%	SD	0.98%	Total	3/350	(0.86%)	Mean	0.86%	SD	1.07%
.....														
<b>#Zymbal's Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		0/50	(0%)	1/50	(2%)	1/50	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	
		1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					1/50	(2%)					
<b>Overall Incidence</b>	Total	3/349	(0.86%)	Mean	0.86%	SD	1.07%	Total	3/350	(0.86%)	Mean	0.86%	SD	1.07%

\*: 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: ORAL  
 Vehicle: FEED

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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
<b>Male</b>							
Southern Research Institute	059902703	08/12/02	729	50 (3)	37(705)	452.8	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	08/05/02	729	50 (3)	33(703)	510.0	Cresols
Southern Research Institute	059900705	04/21/03	729	50 (3)	33(679)	460.9	Goldenseal root powder
Southern Research Institute	059201305	01/20/00	730	50 (3)	31(702)	448.0	4-Methylimidazole
Southern Research Institute	052000803	03/04/03	729	50 (3)	36(704)	452.1	Milk thistle extract
<b>Female</b>							
Southern Research Institute	059902703	08/12/02	733	50 (5)	36(702)	314.7	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	N/A	N/A	0 (0)	0(0)	N/A	Cresols
Southern Research Institute	059900705	04/21/03	731	50 (5)	30(699)	326.0	Goldenseal root powder
Southern Research Institute	059201305	01/20/00	735	50 (5)	40(702)	311.3	4-Methylimidazole
Southern Research Institute	052000803	03/04/03	732	50 (5)	38(693)	328.4	Milk thistle extract

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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#All Organs:</b>									
<b>Benign Tumors</b>									
		49/50 (98%)	50/50 (100%)	47/50 (94%)		45/50 (90%)		46/50 (92%)	
		50/50 (100%)	50/50 (100%)			48/50 (96%)		39/50 (78%)	
<b>Overall Incidence</b>	Total	246/250 (98.4%)	Mean 98.4%	SD 2.61%	Total	178/200 (89%)	Mean 89%	SD 7.75%	
.....									
<b>#All Organs:</b>									
<b>Malignant Tumors</b>									
		27/50 (54%)	23/50 (46%)	29/50 (58%)		15/50 (30%)		19/50 (38%)	
		22/50 (44%)	26/50 (52%)			19/50 (38%)		18/50 (36%)	
<b>Overall Incidence</b>	Total	127/250 (50.8%)	Mean 50.8%	SD 5.76%	Total	71/200 (35.5%)	Mean 35.5%	SD 3.79%	
.....									
<b>#All Organs:</b>									
<b>Malignant and Benign Tumors</b>									
		50/50 (100%)	50/50 (100%)	50/50 (100%)		47/50 (94%)		48/50 (96%)	
		50/50 (100%)	50/50 (100%)			48/50 (96%)		46/50 (92%)	
<b>Overall Incidence</b>	Total	250/250 (100%)	Mean 100%	SD 0%	Total	189/200 (94.5%)	Mean 94.5%	SD 1.91%	
.....									
<b>#All Organs:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Hemangiosarcoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	0/200 (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: ORAL**  
**Vehicle: FEED**

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 Report Date:04/29/2009

		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		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%)	1/50 (2%)			0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	3/50 (6%)		2/50 (4%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 2.68%	Total	4/200 (2%)	Mean 2%	SD 1.63%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		19/50 (38%)	15/50 (30%)	21/50 (42%)	9/50 (18%)	9/50 (18%)	6/50 (12%)	9/50 (18%)	
		15/50 (30%)	17/50 (34%)		9/50 (18%)				
<b>Overall Incidence</b>	Total	87/250 (34.8%)	Mean 34.8%	SD 5.22%	Total	33/200 (16.5%)	Mean 16.5%	SD 3%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		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%)		
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/250	(0.4%)	Mean 0.4%	SD 0.89%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/250	(0.4%)	Mean 0.4%	SD 0.89%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/250	(0.4%)	Mean 0.4%	SD 0.89%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)			1/50 (2%)	0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/48 (0%)		1/50 (2%)
		1/50 (2%)	2/50 (4%)			1/49 (2%)			
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	4/197 (2.03%)	Mean 2.01%	SD 1.63%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)		0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/49 (0%)			
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/48 (0%)		0/48 (0%)
		0/50 (0%)	0/50 (0%)			0/48 (0%)			
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/194 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/48 (0%)		0/48 (0%)
		0/50 (0%)	0/50 (0%)			0/48 (0%)			
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/194 (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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		8/50 (16%)	8/50 (16%)	5/49 (10%)		1/50 (2%)		0/48 (0%)	
		8/50 (16%)	5/50 (10%)			2/48 (4%)		1/48 (2%)	
<b>Overall Incidence</b>	Total	34/249 (13.65%)	Mean 13.64%	SD 3.23%	Total	4/194 (2.06%)	Mean 2.06%	SD 1.7%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)		0/48 (0%)	
		2/50 (4%)	1/50 (2%)			0/48 (0%)		1/48 (2%)	
<b>Overall Incidence</b>	Total	3/249 (1.2%)	Mean 1.2%	SD 1.79%	Total	1/194 (0.52%)	Mean 0.52%	SD 1.04%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		3/50 (6%)	0/50 (0%)	1/49 (2%)		2/50 (4%)		0/48 (0%)	
		0/50 (0%)	0/50 (0%)			1/48 (2%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	4/249 (1.61%)	Mean 1.61%	SD 2.61%	Total	3/194 (1.55%)	Mean 1.52%	SD 1.92%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		11/50 (22%)	8/50 (16%)	6/49 (12%)		3/50 (6%)		0/48 (0%)	
		10/50 (20%)	6/50 (12%)			3/48 (6%)		2/48 (4%)	
<b>Overall Incidence</b>	Total	41/249 (16.47%)	Mean 16.45%	SD 4.5%	Total	8/194 (4.12%)	Mean 4.1%	SD 2.89%	
.....									
<b>#Bone:</b>									
<b>Chondrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Bone:</b>									
<b>Chondrosarcoma or Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (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%)	
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)			1/50 (2%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female								
<b>*Brain:</b>														
<b>Astrocytoma Malignant</b>														
		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%)			
<b>Overall Incidence</b>	Total	0/249	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Ependymoma Benign</b>														
		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%)			
<b>Overall Incidence</b>	Total	0/249	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Ependymoma Malignant</b>														
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/249	(0.4%)	Mean	0.41%	SD	0.91%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Glioma Malignant</b>														
		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%)			
<b>Overall Incidence</b>	Total	0/249	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Granular Cell Tumor Benign</b>														
		2/50	(4%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	2/249	(0.8%)	Mean	0.8%	SD	1.79%	Total	0/200	(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: ORAL**  
**Vehicle: FEED**

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		Male				Female								
<b>*Brain:</b>														
<b>Medulloblastoma Mal</b>														
		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%)			
<b>Overall Incidence</b>	Total	0/249	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Meningioma Malignant</b>														
		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%)			
<b>Overall Incidence</b>	Total	0/249	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Meningioma: Benign, Malignant, NOS</b>														
		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%)			
<b>Overall Incidence</b>	Total	0/249	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Oligodendroglioma Benign</b>														
		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%)			
<b>Overall Incidence</b>	Total	0/249	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Oligodendroglioma Malignant</b>														
		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%)			
<b>Overall Incidence</b>	Total	0/249	(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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		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%)
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		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%)
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		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%)
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		1/50 (2%)	5/50 (10%)	0/50 (0%)		10/50 (20%)		5/50 (10%)	
		2/50 (4%)	1/50 (2%)			8/50 (16%)		11/50 (22%)	
<b>Overall Incidence</b>	Total	9/250 (3.6%)	Mean 3.6%	SD 3.85%	Total	34/200 (17%)	Mean 17%	SD 5.29%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)		4/50 (8%)	
		0/50 (0%)	2/50 (4%)			2/50 (4%)		3/50 (6%)	
<b>Overall Incidence</b>	Total	4/250 (1.6%)	Mean 1.6%	SD 2.19%	Total	9/200 (4.5%)	Mean 4.5%	SD 3.42%	

\*: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>									
		1/50 (2%)	5/50 (10%)	2/50 (4%)		10/50 (20%)	9/50 (18%)		
		2/50 (4%)	3/50 (6%)			10/50 (20%)			
<b>Overall Incidence</b>	Total	13/250 (5.2%)	Mean 5.2%	SD 3.03%	Total	43/200 (21.5%)	Mean 21.5%	SD 4.43%	
.....									
<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Esophagus:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>#Eye:</b>									
<b>Amelanotic Melanoma, Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Harderian Gland: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart: Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Heart: Schwannoma Malignant</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Large: Colon/Rectum: Adenoma</b>									
		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%)	
<b>Overall Incidence</b>	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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Intestine Large: Colon/Rectum: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Colon/Rectum: Hemangioma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum: Carcinoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum: Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Intestine Small: Jejunum: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma</b>									
		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%)	
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>									
		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%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic: Adenoma</b>									
		1/50 (2%)	1/49 (2%)	7/50 (14%)	2/49 (4%)	0/49 (0%)	0/48 (0%)	0/49 (0%)	
		3/50 (6%)	3/50 (6%)		0/49 (0%)				
<b>Overall Incidence</b>	Total	15/249 (6.02%)	Mean 6.01%	SD 4.89%	Total	2/195 (1.03%)	Mean 1.02%	SD 2.04%	

\*: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Islets, Pancreatic: Carcinoma</b>									
		1/50 (2%)	1/49 (2%)	0/50 (0%)		0/49 (0%)		0/49 (0%)	
		0/50 (0%)	1/50 (2%)			0/49 (0%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	3/249 (1.2%)	Mean 1.21%	SD 1.1%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>									
		2/50 (4%)	2/49 (4%)	7/50 (14%)		2/49 (4%)		0/49 (0%)	
		3/50 (6%)	4/50 (8%)			0/49 (0%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	18/249 (7.23%)	Mean 7.22%	SD 4.13%	Total	2/195 (1.03%)	Mean 1.02%	SD 2.04%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			1/48 (2%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	1/192 (0.52%)	Mean 0.52%	SD 1.04%	

\*: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)	0/48 (0%)		
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)	0/48 (0%)		
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)	0/48 (0%)		
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)	0/48 (0%)		
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)	0/48 (0%)		
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/192 (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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		0/49 (0%)	
		0/48 (0%)	0/50 (0%)			0/48 (0%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/47 (0%)		1/49 (2%)	
		1/48 (2%)	0/50 (0%)			0/48 (0%)		0/48 (0%)	
<b>Overall Incidence</b>	Total	1/248 (0.4%)	Mean 0.42%	SD 0.93%	Total	1/192 (0.52%)	Mean 0.51%	SD 1.02%	
.....									
<b>*Liver: Cholangioma</b>									
		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%)	
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		
		0/50 (0%)	3/50 (6%)		0/50 (0%)		2/50 (4%)		
<b>Overall Incidence</b>	Total	5/250 (2%)	Mean 2%	SD 2.45%	Total	4/200 (2%)	Mean 2%	SD 2.31%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)		
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		
		0/50 (0%)	3/50 (6%)		0/50 (0%)		2/50 (4%)		
<b>Overall Incidence</b>	Total	5/250 (2%)	Mean 2%	SD 2.45%	Total	4/200 (2%)	Mean 2%	SD 2.31%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		
		0/50 (0%)	3/50 (6%)		0/50 (0%)		2/50 (4%)		
<b>Overall Incidence</b>	Total	5/250 (2%)	Mean 2%	SD 2.45%	Total	4/200 (2%)	Mean 2%	SD 2.31%	

\*: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		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%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	2/250 (0.8%)	Mean 0.8%	SD 1.1%	<b>Total</b>	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	1/250 (0.4%)	Mean 0.4%	SD 0.89%	<b>Total</b>	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)
<b>Overall Incidence</b>	<b>Total</b>	3/250 (1.2%)	Mean 1.2%	SD 1.1%	<b>Total</b>	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	0/250 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	0/250 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/200 (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

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 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
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		Male				Female			
<b>*Lung: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung: Squamous Cell Carcinoma</b>									
		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%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Adenolipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	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

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: ORAL**  
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		Male				Female			
<b>#Mammary Gland: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	4/50 (8%)		
		0/50 (0%)	0/50 (0%)			2/50 (4%)			
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	10/200 (5%)	Mean 5%	SD 3.83%	
.....									
<b>#Mammary Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	6/50 (12%)		
		0/50 (0%)	0/50 (0%)			2/50 (4%)	4/50 (8%)		
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	13/200 (6.5%)	Mean 6.5%	SD 4.43%	
.....									
<b>#Mammary Gland: Fibroadenoma</b>									
		2/50 (4%)	0/50 (0%)	1/50 (2%)		29/50 (58%)	30/50 (60%)		
		3/50 (6%)	0/50 (0%)			24/50 (48%)	28/50 (56%)		
<b>Overall Incidence</b>	Total	6/250 (2.4%)	Mean 2.4%	SD 2.61%	Total	111/200 (55.5%)	Mean 55.5%	SD 5.26%	
.....									
<b>#Mammary Gland: Fibroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Fibroma, Fibroadenoma or Adenoma</b>									
		2/50 (4%)	1/50 (2%)	1/50 (2%)		30/50 (60%)	30/50 (60%)		
		3/50 (6%)	0/50 (0%)			24/50 (48%)	28/50 (56%)		
<b>Overall Incidence</b>	Total	7/250 (2.8%)	Mean 2.8%	SD 2.28%	Total	112/200 (56%)	Mean 56%	SD 5.66%	

\*: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		2/50 (4%)	1/50 (2%)	1/50 (2%)		30/50 (60%)		31/50 (62%)	
		3/50 (6%)	0/50 (0%)			25/50 (50%)		28/50 (56%)	
<b>Overall Incidence</b>	Total	7/250 (2.8%)	Mean 2.8%	SD 2.28%	Total	114/200 (57%)	Mean 57%	SD 5.29%	
.....									
<b>#Mesentery:</b>									
<b>Fibrosarcoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (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%)	
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50 (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%)	
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (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%)	
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		1/50 (2%)	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%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		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%)	
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)		1/50 (2%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	4/250 (1.6%)	Mean 1.6%	SD 1.67%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Oral Mucosa: Squamous Cell Carcinoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Mucosa: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary: Cystadenoma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary: Granulosa Cell Tumor Benign</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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	Male	Female
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor Malignant</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	2/50 (4%)
<b>Overall Incidence</b>	Total 2/200 (1%)	Mean 1% SD 2%
.....		
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	2/50 (4%)
<b>Overall Incidence</b>	Total 2/200 (1%)	Mean 1% SD 2%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Benign</b>		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 1/200 (0.5%)	Mean 0.5% SD 1%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Malignant</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Tubulostromal Adenoma</b>		
	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/49 (0%)
		1/50 (2%)	2/50 (4%)			0/49 (0%)			
<b>Overall Incidence</b>	Total	3/248 (1.21%)	Mean 1.2%	SD 1.79%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)			0/49 (0%)			
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/49 (0%)
		1/50 (2%)	2/50 (4%)			0/49 (0%)			
<b>Overall Incidence</b>	Total	3/248 (1.21%)	Mean 1.2%	SD 1.79%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)			0/49 (0%)			
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/49 (0%)	0/49 (0%)	1/50 (2%)		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)			0/49 (0%)			
<b>Overall Incidence</b>	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/195 (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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		1/45 (2%)	1/46 (2%)	0/49 (0%)		0/48 (0%)		0/49 (0%)	
		1/48 (2%)	0/50 (0%)			0/50 (0%)		0/49 (0%)	
<b>Overall Incidence</b>	Total	3/238 (1.26%)	Mean 1.3%	SD 1.18%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>#Peripheral Nerve:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Peripheral Nerve:</b>									
<b>Schwannoma: Benign, Malignant, NOS</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		10/50 (20%)	20/50 (40%)	8/50 (16%)		24/49 (49%)		25/50 (50%)	
		16/49 (33%)	13/50 (26%)			29/48 (60%)		20/50 (40%)	
<b>Overall Incidence</b>	Total	67/249 (26.91%)	Mean 26.93%	SD 9.64%	Total	98/197 (49.75%)	Mean 49.85%	SD 8.36%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%)		0/50 (0%)	
		0/49 (0%)	0/50 (0%)			0/48 (0%)		1/50 (2%)	
<b>Overall Incidence</b>	Total	0/249 (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



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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma</b>									
		10/50 (20%)	20/50 (40%)	8/50 (16%)		25/49 (51%)	21/50 (42%)	25/50 (50%)	
		16/49 (33%)	13/50 (26%)			29/48 (60%)			
<b>Overall Incidence</b>	Total	67/249 (26.91%)	Mean 26.93%	SD 9.64%	Total	100/197 (50.76%)	Mean 50.86%	SD 7.54%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site: Ganglioneuroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)			0/48 (0%)			
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia: Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)			0/48 (0%)			
<b>Overall Incidence</b>	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)			0/48 (0%)			
<b>Overall Incidence</b>	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)			0/48 (0%)			
<b>Overall Incidence</b>	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/197 (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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Prostate:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)		
		0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	1/250	(0.4%)	Mean	0.4%	SD	0.89%		
.....									
<b>*Prostate:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	1/50	(2%)		
		0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	1/250	(0.4%)	Mean	0.4%	SD	0.89%		
.....									
<b>*Salivary Glands:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/48	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/247	(0%)	Mean	0%	SD	0%	Total	0/200 (0%)
								Mean	0%
								SD	0%
.....									
<b>#Seminal Vesicle:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean	0%	SD	0%		
.....									
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skeletal Muscle: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma</b>									
		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%)	
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		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%)
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		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%)
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		1/50 (2%)	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%)
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		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%)
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	1/250 (0.4%)	Mean 0.4%	SD 0.89%	<b>Total</b>	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	1/50 (2%)			1/50 (2%)	0/50 (0%)		
<b>Overall Incidence</b>	<b>Total</b>	3/250 (1.2%)	Mean 1.2%	SD 1.1%	<b>Total</b>	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		4/50 (8%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		3/50 (6%)	6/50 (12%)		2/50 (4%)				
<b>Overall Incidence</b>	<b>Total</b>	16/250 (6.4%)	Mean 6.4%	SD 3.85%	<b>Total</b>	4/200 (2%)	Mean 2%	SD 1.63%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		4/50 (8%)	1/50 (2%)	5/50 (10%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		8/50 (16%)	3/50 (6%)		1/50 (2%)				
<b>Overall Incidence</b>	<b>Total</b>	21/250 (8.4%)	Mean 8.4%	SD 5.18%	<b>Total</b>	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		4/50 (8%)	4/50 (8%)	5/50 (10%)	0/50 (0%)	0/50 (0%)	3/50 (6%)		
		8/50 (16%)	4/50 (8%)		1/50 (2%)		1/50 (2%)		
<b>Overall Incidence</b>	<b>Total</b>	25/250 (10%)	Mean 10%	SD 3.46%	<b>Total</b>	5/200 (2.5%)	Mean 2.5%	SD 2.52%	

\*: 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: ORAL**  
**Vehicle: FEED**

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 Report Date:04/29/2009

		Male				Female			
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		0/50 (0%)	3/50 (6%)	0/50 (0%)		0/50 (0%)		2/50 (4%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)		1/50 (2%)	2/50 (4%)
<b>Overall Incidence</b>	Total	4/250 (1.6%)	Mean 1.6%	SD 2.61%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)	4/50 (8%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	11/250 (4.4%)	Mean 4.4%	SD 2.61%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		1/50 (2%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	0/250 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	0/250 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	0/250 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	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%)	
<b>Overall Incidence</b>	<b>Total</b>	2/250 (0.8%)	Mean 0.8%	SD 1.1%	<b>Total</b>	2/200 (1%)	Mean 1%	SD 2%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	0/250 (0%)	Mean 0%	SD 0%	<b>Total</b>	0/200 (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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)			1/50 (2%)			
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)			1/50 (2%)			
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	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: 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: ORAL**  
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		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		2/50 (4%)	6/50 (12%)			1/50 (2%)		1/50 (2%)	
<b>Overall Incidence</b>	Total	14/250 (5.6%)	Mean 5.6%	SD 3.85%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)		0/50 (0%)	
		1/50 (2%)	5/50 (10%)			1/50 (2%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	12/250 (4.8%)	Mean 4.8%	SD 3.35%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		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%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean	0%	SD	0%	Total	0/200 (0%)
								Mean	0%
								SD	0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean	0%	SD	0%	Total	0/200 (0%)
								Mean	0%
								SD	0%
.....									
<b>#Spinal Cord:</b>									
<b>Astrocytoma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean	0%	SD	0%	Total	0/200 (0%)
								Mean	0%
								SD	0%
.....									
<b>#Spinal Cord:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean	0%	SD	0%	Total	0/200 (0%)
								Mean	0%
								SD	0%
.....									
<b>*Spleen:</b>									
<b>Fibrosarcoma</b>									
		0/50	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/49 (0%)	1/49 (2%)		0/50 (0%)		0/49 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/49 (0%)	
<b>Overall Incidence</b>	Total	1/248 (0.4%)	Mean 0.41%	SD 0.91%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)		0/49 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/49 (0%)	
<b>Overall Incidence</b>	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)		0/49 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/49 (0%)	
<b>Overall Incidence</b>	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)		0/49 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/49 (0%)	
<b>Overall Incidence</b>	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/198 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)		0/49 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/49 (0%)	
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Stomach, Forestomach:</b>									
<b>Leiomyosarcoma</b>									
		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%)	
<b>Overall Incidence</b>	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		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%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		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%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male			Female		
<b>#Stomach, Glandular:</b>							
<b>Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0% SD 0%
.....							
<b>*Testes:</b>							
<b>Adenoma</b>							
		46/50 (92%)	49/50 (98%)	42/50 (84%)			
		46/50 (92%)	46/50 (92%)				
<b>Overall Incidence</b>	Total	229/250 (91.6%)	Mean 91.6%	SD 4.98%			
.....							
<b>*Thymus:</b>							
<b>Sarcoma</b>							
		0/48 (0%)	0/47 (0%)	0/48 (0%)	0/46 (0%)	0/49 (0%)	
		0/48 (0%)	0/41 (0%)		0/47 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/232 (0%)	Mean 0%	SD 0%	Total	0/192 (0%)	Mean 0% SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma Benign</b>							
		0/48 (0%)	0/47 (0%)	1/48 (2%)	0/46 (0%)	0/49 (0%)	
		0/48 (0%)	0/41 (0%)		0/47 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/232 (0.43%)	Mean 0.42%	SD 0.93%	Total	0/192 (0%)	Mean 0% SD 0%
.....							
<b>*Thymus:</b>							
<b>Thymoma Malignant</b>							
		0/48 (0%)	0/47 (0%)	0/48 (0%)	0/46 (0%)	0/49 (0%)	
		0/48 (0%)	0/41 (0%)		0/47 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/232 (0%)	Mean 0%	SD 0%	Total	0/192 (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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/48 (0%)	0/47 (0%)	0/48 (0%)		0/46 (0%)		0/49 (0%)	
		0/48 (0%)	0/41 (0%)			0/47 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/232 (0%)	Mean 0%	SD 0%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/48 (0%)	0/47 (0%)	1/48 (2%)		0/46 (0%)		0/49 (0%)	
		0/48 (0%)	0/41 (0%)			0/47 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	1/232 (0.43%)	Mean 0.42%	SD 0.93%	Total	0/192 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		5/50 (10%)	6/50 (12%)	7/50 (14%)		3/49 (6%)		4/50 (8%)	
		11/47 (23%)	5/48 (10%)			10/47 (21%)		2/47 (4%)	
<b>Overall Incidence</b>	Total	34/245 (13.88%)	Mean 13.96%	SD 5.51%	Total	19/193 (9.84%)	Mean 9.91%	SD 7.73%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Carcinoma</b>									
		4/50 (8%)	1/50 (2%)	1/50 (2%)		1/49 (2%)		1/50 (2%)	
		0/47 (0%)	1/48 (2%)			1/47 (2%)		0/47 (0%)	
<b>Overall Incidence</b>	Total	7/245 (2.86%)	Mean 2.82%	SD 3.03%	Total	3/193 (1.55%)	Mean 1.54%	SD 1.03%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Carcinoma or Adenoma</b>									
		9/50 (18%)	7/50 (14%)	8/50 (16%)		4/49 (8%)		5/50 (10%)	
		11/47 (23%)	6/48 (13%)			11/47 (23%)		2/47 (4%)	
<b>Overall Incidence</b>	Total	41/245 (16.73%)	Mean 16.78%	SD 4.24%	Total	22/193 (11.4%)	Mean 11.46%	SD 8.32%	

\*: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/47 (0%)	0/48 (0%)			2/47 (4%)		0/47 (0%)	
<b>Overall Incidence</b>	Total	2/245 (0.82%)	Mean 0.8%	SD 1.79%	Total	2/193 (1.04%)	Mean 1.06%	SD 2.13%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/47 (0%)	0/48 (0%)			0/47 (0%)		1/47 (2%)	
<b>Overall Incidence</b>	Total	0/245 (0%)	Mean 0%	SD 0%	Total	1/193 (0.52%)	Mean 0.53%	SD 1.06%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/47 (0%)	0/48 (0%)			2/47 (4%)		1/47 (2%)	
<b>Overall Incidence</b>	Total	2/245 (0.82%)	Mean 0.8%	SD 1.79%	Total	3/193 (1.55%)	Mean 1.6%	SD 2.04%	
.....									
<b>#Tissue NOS: Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS: Paraganglioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Tissue NOS:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		1/50 (2%)	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%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		1/50 (2%)	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%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)		0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Tooth:</b>									
<b>Odontoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/250	(0%)	Mean 0%	SD 0%	Total	0/200	(0%)	Mean 0%
									SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma</b>									
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/248	(0%)	Mean 0%	SD 0%	Total	0/199	(0%)	Mean 0%
									SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>Carcinoma or Papilloma</b>									
		0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/248	(0.4%)	Mean 0.41%	SD 0.91%	Total	0/199	(0%)	Mean 0%
									SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>Hemangiosarcoma</b>									
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/248	(0%)	Mean 0%	SD 0%	Total	0/199	(0%)	Mean 0%
									SD 0%
.....									
<b>*Urinary Bladder:</b>									
<b>Leiomyosarcoma</b>									
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/248	(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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>*Urinary Bladder:</b>									
<b>Papilloma</b>									
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	
		0/49 (0%)	0/50 (0%)			0/49 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	1/248 (0.4%)	Mean 0.41%	SD 0.91%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Adenoma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)		1/50 (2%)	
<b>Overall Incidence</b>	Total				Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Uterus:</b>									
<b>Carcinoma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Deciduoma Benign</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus:</b>									
<b>Hemangioma</b>									
						0/50 (0%)		0/50 (0%)	
						0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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	Male	Female
<b>#Uterus:</b>		
<b>Hemangiosarcoma</b>		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Leiomyoma</b>		
	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/200 (0%)	Mean 0% SD 0%
.....		
<b>#Uterus:</b>		
<b>Leiomyosarcoma</b>		
	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
<b>Overall Incidence</b>	Total 1/200 (0.5%)	Mean 0.5% SD 1%
.....		
<b>#Uterus:</b>		
<b>Polyp Stromal</b>		
	10/50 (20%) 16/50 (32%)	14/50 (28%) 10/50 (20%)
<b>Overall Incidence</b>	Total 50/200 (25%)	Mean 25% SD 6%
.....		
<b>#Uterus:</b>		
<b>Sarcoma Stromal</b>		
	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: FEED**

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		Male			Female		
<b>#Uterus:</b>							
<b>Sarcoma Stromal or Polyp Stromal</b>							
				10/50 (20%)		14/50 (28%)	
				17/50 (34%)	10/50 (20%)		
<b>Overall Incidence</b>			Total	51/200 (25.5%)	Mean 25.5%	SD 6.81%	
.....							
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
				0/50 (0%)		0/50 (0%)	
				0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>			Total	0/200 (0%)	Mean 0%	SD 0%	
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
				0/50 (0%)		0/50 (0%)	
				0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>			Total	0/200 (0%)	Mean 0%	SD 0%	
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
				0/50 (0%)		0/50 (0%)	
				0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>			Total	0/200 (0%)	Mean 0%	SD 0%	
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	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

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: ORAL**  
**Vehicle: FEED**

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		Male				Female			
<b>#Zymbal's Gland: Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)	0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	4/250 (1.6%)	Mean 1.6%	SD 2.61%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Zymbal's Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		3/50 (6%)	0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	4/250 (1.6%)	Mean 1.6%	SD 2.61%	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: 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: ORAL  
Vehicle: WATER

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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
<b>Male</b>							
Southern Research Institute	052011407	10/02/02	730	50 (3)	28(696)	532.4	Sodium dichromate dihydrate (VI)
Southern Research Institute	059601905	09/26/01	729	50 (3)	31(686)	526.0	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601705	03/08/00	729	50 (3)	34(683)	522.9	Water disinfection byproducts (Dibromoacetic acid)
Southern Research Institute	059601505	09/05/01	729	50 (3)	31(692)	507.8	Water disinfection byproducts (Dibromoacetonitrile)
<b>Female</b>							
Southern Research Institute	052011407	10/02/02	735	50 (5)	33(700)	351.2	Sodium dichromate dihydrate (VI)
Southern Research Institute	059601905	09/26/01	731	50 (5)	34(688)	357.3	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601705	03/08/00	734	50 (5)	35(693)	350.5	Water disinfection byproducts (Dibromoacetic acid)
Southern Research Institute	059601505	09/05/01	734	50 (5)	29(689)	337.6	Water disinfection byproducts (Dibromoacetonitrile)

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

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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#All Organs:</b>									
<b>Benign Tumors</b>									
		49/50 (98%)	50/50 (100%)	47/50 (94%)		47/50 (94%)	49/50 (98%)	42/50 (84%)	
		50/50 (100%)				44/50 (88%)			
<b>Overall Incidence</b>	Total	196/200 (98%)	Mean 98%	SD 2.83%	Total	182/200 (91%)	Mean 91%	SD 6.22%	
.....									
<b>#All Organs:</b>									
<b>Malignant Tumors</b>									
		29/50 (58%)	27/50 (54%)	29/50 (58%)		20/50 (40%)	18/50 (36%)	16/50 (32%)	
		27/50 (54%)				20/50 (40%)			
<b>Overall Incidence</b>	Total	112/200 (56%)	Mean 56%	SD 2.31%	Total	74/200 (37%)	Mean 37%	SD 3.83%	
.....									
<b>#All Organs:</b>									
<b>Malignant and Benign Tumors</b>									
		50/50 (100%)	50/50 (100%)	50/50 (100%)		49/50 (98%)	49/50 (98%)	45/50 (90%)	
		50/50 (100%)				48/50 (96%)			
<b>Overall Incidence</b>	Total	200/200 (100%)	Mean 100%	SD 0%	Total	191/200 (95.5%)	Mean 95.5%	SD 3.79%	
.....									
<b>#All Organs:</b>									
<b>Hemangioma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (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: 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: ORAL**  
**Vehicle: WATER**

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 Report Date:04/29/2009

		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		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%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		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%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 2%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Erythrocytic</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		26/50 (52%)	21/50 (42%)	17/50 (34%)	8/50 (16%)	15/50 (30%)	11/50 (22%)		
		21/50 (42%)			14/50 (28%)				
<b>Overall Incidence</b>	Total	85/200 (42.5%)	Mean 42.5%	SD 7.37%	Total	48/200 (24%)	Mean 24%	SD 6.32%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	0/200 (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: 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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#All Organs:</b>									
<b>Mesothelioma: Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Benign, Malignant, NOS</b>									
		2/50 (4%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	6/200 (3%)	Mean 3%	SD 2.58%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Mesothelioma: Malignant</b>									
		2/50 (4%)	1/50 (2%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	6/200 (3%)	Mean 3%	SD 2.58%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#All Organs:</b>									
<b>Osteosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (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: 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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	1/49 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	2/199 (1.01%)	Mean 1.01%	SD 1.17%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Ganglioneuroma</b>									
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Hemangioma</b>									
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/196 (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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		6/49 (12%)	9/50 (18%)	7/49 (14%)		2/49 (4%)	2/49 (4%)	1/49 (2%)	
		10/50 (20%)				1/49 (2%)			
<b>Overall Incidence</b>	Total	32/198 (16.16%)	Mean 16.13%	SD 3.51%	Total	6/196 (3.06%)	Mean 3.06%	SD 1.18%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/196 (0%)	Mean 0%	SD 0%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		1/49 (2%)	1/50 (2%)	0/49 (0%)		1/49 (2%)	2/49 (4%)	0/49 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	2/198 (1.01%)	Mean 1.01%	SD 1.17%	Total	3/196 (1.53%)	Mean 1.53%	SD 1.95%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		7/49 (14%)	10/50 (20%)	7/49 (14%)		3/49 (6%)	4/49 (8%)	1/49 (2%)	
		10/50 (20%)				1/49 (2%)			
<b>Overall Incidence</b>	Total	34/198 (17.17%)	Mean 17.14%	SD 3.3%	Total	9/196 (4.59%)	Mean 4.59%	SD 3.06%	
.....									
<b>#Bone:</b>									
<b>Chondrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (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: 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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Bone:</b>									
<b>Chondrosarcoma or Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Brain:</b>									
<b>Astrocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Ependymoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Granular Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Vehicle: WATER**

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		Male				Female								
<b>*Brain:</b>														
<b>Medulloblastoma Mal</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Meningioma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean	0%	SD	0%	Total	1/200	(0.5%)	Mean	0.5%	SD	1%
.....														
<b>*Brain:</b>														
<b>Meningioma: Benign, Malignant, NOS</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean	0%	SD	0%	Total	1/200	(0.5%)	Mean	0.5%	SD	1%
.....														
<b>*Brain:</b>														
<b>Oligodendroglioma Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean	0%	SD	0%	Total	0/200	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Oligodendroglioma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/200	(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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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		Male				Female			
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Brain:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Adenoma</b>									
		4/50 (8%)	4/50 (8%)	3/50 (6%)		2/50 (4%)	17/50 (34%)	8/50 (16%)	
		1/48 (2%)				5/50 (10%)			
<b>Overall Incidence</b>	Total	12/198 (6.06%)	Mean 6.02%	SD 2.79%	Total	32/200 (16%)	Mean 16%	SD 12.96%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	2/50 (4%)	0/50 (0%)		8/50 (16%)	0/50 (0%)	1/50 (2%)	
		0/48 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/198 (1.52%)	Mean 1.5%	SD 1.91%	Total	10/200 (5%)	Mean 5%	SD 7.39%	

\*: 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

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 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>									
		4/50 (8%)	5/50 (10%)	3/50 (6%)		10/50 (20%)	17/50 (34%)	9/50 (18%)	
		1/48 (2%)				6/50 (12%)			
<b>Overall Incidence</b>	Total	13/198 (6.57%)	Mean 6.52%	SD 3.38%	Total	42/200 (21%)	Mean 21%	SD 9.31%	
.....									
<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/48 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female			
<b>#Esophagus:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Esophagus:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Amelanotic Melanoma, Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Harderian Gland: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Heart: Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>*Heart: Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Large: Colon/Rectum: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: 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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Intestine Large: Colon/Rectum: Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Large: Colon/Rectum: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum: Leiomyoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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**Route: ORAL**  
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		Male				Female			
<b>#Intestine Small: Jejunum: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female			
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Islets, Pancreatic: Adenoma</b>									
		4/50 (8%)	3/50 (6%)	5/48 (10%)		2/50 (4%)	3/49 (6%)	0/47 (0%)	
		5/49 (10%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	17/197 (8.63%)	Mean 8.66%	SD 2.08%	Total	6/196 (3.06%)	Mean 3.03%	SD 2.63%	

\*: 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

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		Male				Female				
<b>*Islets, Pancreatic: Carcinoma</b>										
		0/50 (0%)	2/50 (4%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	0/47 (0%)		
		1/49 (2%)				0/50 (0%)				
<b>Overall Incidence</b>	Total	3/197 (1.52%)	Mean 1.51%	SD 1.92%	Total	0/196 (0%)	Mean 0%	SD 0%		
.....										
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>										
		4/50 (8%)	5/50 (10%)	5/48 (10%)		2/50 (4%)	3/49 (6%)	0/47 (0%)		
		6/49 (12%)				1/50 (2%)				
<b>Overall Incidence</b>	Total	20/197 (10.15%)	Mean 10.17%	SD 1.74%	Total	6/196 (3.06%)	Mean 3.03%	SD 2.63%		
.....										
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>										
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)				0/50 (0%)				
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%		
.....										
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>										
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)				0/50 (0%)				
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%		
.....										
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>										
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)				0/50 (0%)				
<b>Overall Incidence</b>	Total	0/198 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.51%	SD 1.02%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/198 (0.51%)	Mean 0.51%	SD 1.02%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/198 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Cholangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		0/50 (0%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		0/50 (0%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		0/50 (0%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	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

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

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**Vehicle: WATER**

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		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		4/50 (8%)	2/50 (4%)	2/50 (4%)		4/50 (8%)	1/50 (2%)	1/50 (2%)	
		3/50 (6%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	11/200 (5.5%)	Mean 5.5%	SD 1.91%	Total	7/200 (3.5%)	Mean 3.5%	SD 3%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		4/50 (8%)	3/50 (6%)	2/50 (4%)		4/50 (8%)	1/50 (2%)	2/50 (4%)	
		4/50 (8%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	13/200 (6.5%)	Mean 6.5%	SD 1.91%	Total	8/200 (4%)	Mean 4%	SD 2.83%	
.....									
<b>*Lung:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups  
**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Lung: Sarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung: Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Adenolipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 2%	

\*: 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

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**Route: ORAL**  
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		Male				Female			
<b>#Mammary Gland: Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	3/50 (6%)	
		1/50 (2%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	6/200 (3%)	Mean 3%	SD 2.58%	
.....									
<b>#Mammary Gland: Carcinoma or Adenoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		2/50 (4%)	1/50 (2%)	3/50 (6%)	
		1/50 (2%)				2/50 (4%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	Total	8/200 (4%)	Mean 4%	SD 1.63%	
.....									
<b>#Mammary Gland: Fibroadenoma</b>									
		2/50 (4%)	3/50 (6%)	4/50 (8%)		37/50 (74%)	43/50 (86%)	32/50 (64%)	
		6/50 (12%)				31/50 (62%)			
<b>Overall Incidence</b>	Total	15/200 (7.5%)	Mean 7.5%	SD 3.42%	Total	143/200 (71.5%)	Mean 71.5%	SD 11%	
.....									
<b>#Mammary Gland: Fibroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Fibroma, Fibroadenoma or Adenoma</b>									
		2/50 (4%)	3/50 (6%)	4/50 (8%)		37/50 (74%)	43/50 (86%)	32/50 (64%)	
		6/50 (12%)				31/50 (62%)			
<b>Overall Incidence</b>	Total	15/200 (7.5%)	Mean 7.5%	SD 3.42%	Total	143/200 (71.5%)	Mean 71.5%	SD 11%	

\*: 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**  
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**Route: ORAL**  
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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		3/50 (6%)	3/50 (6%)	5/50 (10%)		37/50 (74%)	43/50 (86%)	32/50 (64%)	
		6/50 (12%)				31/50 (62%)			
<b>Overall Incidence</b>	Total	17/200 (8.5%)	Mean 8.5%	SD 3%	Total	143/200 (71.5%)	Mean 71.5%	SD 11%	
.....									
<b>#Mesentery:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (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  
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		Male				Female			
<b>*Nose:</b>									
<b>Adenoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Chondroma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%) 1/50 (2%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
<b>#Oral Mucosa: Squamous Cell Carcinoma</b>									
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Mucosa: Squamous Cell Papilloma</b>									
		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%)	
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Ovary: Cystadenoma</b>									
						0/49 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>					Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary: Granulosa Cell Tumor Benign</b>									
						0/49 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>					Total	0/199 (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**  
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	Male	Female
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor Malignant</b>	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/199 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/199 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Benign</b>	0/49 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 1/199 (0.5%)	Mean 0.5% SD 1%
.....		
<b>*Ovary:</b>		
<b>Granulosa-Theca Tumor Malignant</b>	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/199 (0%)	Mean 0% SD 0%
.....		
<b>*Ovary:</b>		
<b>Tubulostromal Adenoma</b>	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total 0/199 (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

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		Male				Female			
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		1/50 (2%)	2/50 (4%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/47 (0%)	
		1/49 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/197 (2.03%)	Mean 2.01%	SD 1.63%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/47 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		1/50 (2%)	2/50 (4%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/47 (0%)	
		1/49 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/197 (2.03%)	Mean 2.01%	SD 1.63%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/47 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pancreas:</b>									
<b>Mixed Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/47 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/197 (0%)	Mean 0%	SD 0%	Total	0/197 (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

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		Male				Female			
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/46 (0%)	0/44 (0%)	0/50 (0%)		0/46 (0%)	0/42 (0%)	0/50 (0%)	
		1/46 (2%)				0/42 (0%)			
<b>Overall Incidence</b>	Total	1/186 (0.54%)	Mean 0.54%	SD 1.09%	Total	0/180 (0%)	Mean 0%	SD 0%	
.....									
<b>#Peripheral Nerve:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Peripheral Nerve:</b>									
<b>Schwannoma: Benign, Malignant, NOS</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		16/50 (32%)	23/48 (48%)	23/50 (46%)		28/50 (56%)	28/50 (56%)	26/50 (52%)	
		24/50 (48%)				27/49 (55%)			
<b>Overall Incidence</b>	Total	86/198 (43.43%)	Mean 43.48%	SD 7.71%	Total	109/199 (54.77%)	Mean 54.78%	SD 1.9%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/48 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	2/199 (1.01%)	Mean 1%	SD 2%	

\*: 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

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**Route: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma</b>									
		16/50 (32%)	23/48 (48%)	23/50 (46%)		30/50 (60%)	28/50 (56%)	26/50 (52%)	
		24/50 (48%)				27/49 (55%)			
<b>Overall Incidence</b>	Total	86/198 (43.43%)	Mean 43.48%	SD 7.71%	Total	111/199 (55.78%)	Mean 55.78%	SD 3.3%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site: Ganglioneuroma</b>									
		0/50 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia: Adenoma</b>									
		0/50 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>*Pituitary Gland: Pars Intermedia: Carcinoma</b>									
		0/50 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	0/198 (0%)	Mean 0%	SD 0%	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	

\*: 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**  
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**Vehicle: WATER**

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		Male				Female			
<b>*Prostate:</b>									
<b>Adenoma</b>									
		2/50	(4%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)						
<b>Overall Incidence</b>	Total	2/199	(1.01%)	Mean	1%	SD	2%		
.....									
<b>*Prostate:</b>									
<b>Carcinoma or Adenoma</b>									
		2/50	(4%)	0/50	(0%)	0/50	(0%)		
		0/49	(0%)						
<b>Overall Incidence</b>	Total	2/199	(1.01%)	Mean	1%	SD	2%		
.....									
<b>*Salivary Glands:</b>									
<b>Sarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean	0%	SD	0%	Total	0/200 (0%) Mean 0% SD 0%
.....									
<b>#Seminal Vesicle:</b>									
<b>Adenoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)						
<b>Overall Incidence</b>	Total	0/200	(0%)	Mean	0%	SD	0%		
.....									
<b>#Skeletal Muscle:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/200	(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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Skeletal Muscle: Hemangioma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Skeletal Muscle:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 2.31%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 2.31%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>									
		2/50 (4%)	3/50 (6%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	8/200 (4%)	Mean 4%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/200 (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**  
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**Vehicle: WATER**

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		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		2/50 (4%)	3/50 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		4/50 (8%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	11/200 (5.5%)	Mean 5.5%	SD 1.91%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		5/50 (10%)	6/50 (12%)	7/50 (14%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		11/50 (22%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	29/200 (14.5%)	Mean 14.5%	SD 5.26%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		8/50 (16%)	7/50 (14%)	5/50 (10%)		1/50 (2%)	1/50 (2%)	1/50 (2%)	
		8/50 (16%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	28/200 (14%)	Mean 14%	SD 2.83%	Total	3/200 (1.5%)	Mean 1.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		11/50 (22%)	8/50 (16%)	6/50 (12%)		1/50 (2%)	1/50 (2%)	1/50 (2%)	
		9/50 (18%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	34/200 (17%)	Mean 17%	SD 4.16%	Total	4/200 (2%)	Mean 2%	SD 0%	

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



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

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		Male				Female			
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		3/50 (6%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	6/200 (3%)	Mean 3%	SD 2%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangioma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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**Route: ORAL**  
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		Male				Female			
<b>#Skin:</b>									
<b>Keratoacanthoma</b>									
		2/50 (4%)	1/50 (2%)	3/50 (6%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		6/50 (12%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	12/200 (6%)	Mean 6%	SD 4.32%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Liposarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor, Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	3/200 (1.5%)	Mean 1.5%	SD 1.91%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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**Route: ORAL**  
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		Male				Female			
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	SD 1.15%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 1.63%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		1/50 (2%)	3/50 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	7/200 (3.5%)	Mean 3.5%	SD 1.91%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		1/50 (2%)	3/50 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	7/200 (3.5%)	Mean 3.5%	SD 1.91%	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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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**Vehicle: WATER**

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		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		4/50 (8%)	4/50 (8%)	6/50 (12%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		7/50 (14%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	21/200 (10.5%)	Mean 10.5%	SD 3%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		3/50 (6%)	4/50 (8%)	5/50 (10%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		7/50 (14%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	19/200 (9.5%)	Mean 9.5%	SD 3.42%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Trichoepithelioma</b>									
		0/50 (0%)	3/50 (6%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	4/200 (2%)	Mean 2%	SD 2.83%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Skin: Sebaceous Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: May2009  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F344  
 Length of Study: CHRONIC

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**Route: ORAL**  
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		Male				Female			
<b>#Skin: Sebaceous Gland:</b>									
<b>    Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Spinal Cord:</b>									
<b>    Astrocytoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>    Astrocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Spinal Cord:</b>									
<b>    Glioma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>    Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/47 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/197 (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

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**Route: ORAL**  
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		Male				Female			
<b>*Spleen:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Spleen:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/199 (0%)	Mean 0%	SD 0%	Total	0/197 (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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Stomach, Forestomach: Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach: Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Stomach, Forestomach: Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Stomach, Forestomach: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Stomach, Glandular: Lipoma</b>									
		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%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (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**  
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		Male				Female			
<b>#Stomach, Glandular:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		48/50 (96%)	46/50 (92%)	41/50 (82%)					
		49/50 (98%)							
<b>Overall Incidence</b>	Total	184/200 (92%)	Mean 92%	SD 7.12%					
.....									
<b>*Thymus:</b>									
<b>Sarcoma</b>									
		0/48 (0%)	0/49 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/43 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	1/189 (0.53%)	Mean 0.51%	SD 1.02%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/48 (0%)	0/49 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/43 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	1/189 (0.53%)	Mean 0.51%	SD 1.02%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma Malignant</b>									
		0/48 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/43 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/189 (0%)	Mean 0%	SD 0%	Total	0/197 (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**  
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**Route: ORAL**  
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		Male				Female			
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/48 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/43 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	0/189 (0%)	Mean 0%	SD 0%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thymus:</b>									
<b>Thymoma: Benign, Malignant, NOS</b>									
		0/48 (0%)	0/49 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/43 (0%)				0/48 (0%)			
<b>Overall Incidence</b>	Total	1/189 (0.53%)	Mean 0.51%	SD 1.02%	Total	0/197 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Adenoma</b>									
		5/50 (10%)	3/50 (6%)	6/50 (12%)		8/50 (16%)	6/49 (12%)	6/50 (12%)	
		10/49 (20%)				6/46 (13%)			
<b>Overall Incidence</b>	Total	24/199 (12.06%)	Mean 12.1%	SD 6.07%	Total	26/195 (13.33%)	Mean 13.32%	SD 1.84%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	1/50 (2%)	1/50 (2%)		2/50 (4%)	1/49 (2%)	0/50 (0%)	
		1/49 (2%)				0/46 (0%)			
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2.01%	SD 0.02%	Total	3/195 (1.54%)	Mean 1.51%	SD 1.92%	
.....									
<b>*Thyroid Gland: C-Cell:</b>									
<b>Carcinoma or Adenoma</b>									
		6/50 (12%)	4/50 (8%)	7/50 (14%)		10/50 (20%)	7/49 (14%)	6/50 (12%)	
		11/49 (22%)				6/46 (13%)			
<b>Overall Incidence</b>	Total	28/199 (14.07%)	Mean 14.11%	SD 6.09%	Total	29/195 (14.87%)	Mean 14.83%	SD 3.57%	

\*: 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: ORAL**  
**Vehicle: WATER**

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**Report Date:04/29/2009**

		Male				Female			
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		0/50 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/49 (0%)				1/46 (2%)			
<b>Overall Incidence</b>	Total	3/199 (1.51%)	Mean 1.5%	SD 1.91%	Total	1/195 (0.51%)	Mean 0.54%	SD 1.09%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/49 (0%)				0/46 (0%)			
<b>Overall Incidence</b>	Total	1/199 (0.5%)	Mean 0.5%	SD 1%	Total	0/195 (0%)	Mean 0%	SD 0%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
		0/50 (0%)	3/50 (6%)	1/50 (2%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/49 (0%)				1/46 (2%)			
<b>Overall Incidence</b>	Total	4/199 (2.01%)	Mean 2%	SD 2.83%	Total	1/195 (0.51%)	Mean 0.54%	SD 1.09%	
.....									
<b>#Tissue NOS: Lipoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS: Paraganglioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: 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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Tissue NOS:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		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%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Tooth:</b>									
<b>Adamantinoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (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: 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: ORAL**  
**Vehicle: WATER**

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

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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>*Urinary Bladder: Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0%	SD 0%	Total	0/199 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus: Adenoma</b>									
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	1/200 (0.5%)	Mean 0.5%	SD 1%	
.....									
<b>#Uterus: Carcinoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus: Deciduoma Benign</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	Total				Total	0/200 (0%)	Mean 0%	SD 0%	
.....									
<b>#Uterus: Hemangioma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)			
<b>Overall Incidence</b>	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: 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: ORAL**  
**Vehicle: WATER**

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**Report Date:04/29/2009**

	Male		Female
<b>#Uterus:</b>			
<b>Hemangiosarcoma</b>			
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5% SD 1%
.....			
<b>#Uterus:</b>			
<b>Leiomyoma</b>			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0% SD 0%
.....			
<b>#Uterus:</b>			
<b>Leiomyosarcoma</b>			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total	0/200 (0%)	Mean 0% SD 0%
.....			
<b>#Uterus:</b>			
<b>Polyp Stromal</b>			
		10/50 (20%) 13/50 (26%)	9/50 (18%) 4/50 (8%)
<b>Overall Incidence</b>	Total	36/200 (18%)	Mean 18% SD 7.48%
.....			
<b>#Uterus:</b>			
<b>Sarcoma Stromal</b>			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
<b>Overall Incidence</b>	Total	0/200 (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: ORAL**  
**Vehicle: WATER**

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		Male			Female			
<b>#Uterus:</b>								
<b>Sarcoma Stromal or Polyp Stromal</b>								
			10/50 (20%)		9/50 (18%)		4/50 (8%)	
			13/50 (26%)					
<b>Overall Incidence</b>		Total	36/200 (18%)		Mean 18%		SD 7.48%	
.....								
<b>#Uterus:</b>								
<b>Schwannoma Malignant</b>								
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
			1/50 (2%)					
<b>Overall Incidence</b>		Total	1/200 (0.5%)		Mean 0.5%		SD 1%	
.....								
<b>#Vagina:</b>								
<b>Polyp</b>								
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
			0/50 (0%)					
<b>Overall Incidence</b>		Total	0/200 (0%)		Mean 0%		SD 0%	
.....								
<b>#Vagina:</b>								
<b>Sarcoma</b>								
			0/50 (0%)		0/50 (0%)		0/50 (0%)	
			0/50 (0%)					
<b>Overall Incidence</b>		Total	0/200 (0%)		Mean 0%		SD 0%	
.....								
<b>#Zymbal's Gland:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	0/200 (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: ORAL**  
**Vehicle: WATER**

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		Male				Female			
<b>#Zymbal's Gland:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/200 (0.5%)	Mean 0.5%	SD 1%	Total	2/200 (1%)	Mean 1%	SD 1.15%	
.....									
<b>#Zymbal's Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	2/200 (1%)	Mean 1%	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: 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: SKIN  
 Vehicle: ETHANOL

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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
<b>Male</b>							
Battelle Columbus Laboratory	059902805	09/16/02	729	50 (1)	21(676)	506.2	bis(2-Chloroethoxy)methane
Battelle Columbus Laboratory	059700307	07/10/02	728	50 (1)	25(680)	510.4	1,2-Dibromo-2,4-dicyanobutane
Southern Research Institute	059302007	04/24/00	729	50 (1)	20(670)	484.2	Diisopropylcarbodiimide
<b>Female</b>							
Battelle Columbus Laboratory	059902805	09/17/02	730	50 (1)	19(646)	341.0	bis(2-Chloroethoxy)methane
Battelle Columbus Laboratory	059700307	07/11/02	729	50 (1)	29(695)	337.8	1,2-Dibromo-2,4-dicyanobutane
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.

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: SKIN  
 Vehicle: ETHANOL

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 Report Date:04/29/2009

		Male			Female		
<b>#All Organs: Benign Tumors</b>							
Overall Incidence	Total	49/50 (98%)	46/50 (92%)	47/50 (94%)	37/50 (74%)	46/50 (92%)	44/50 (88%)
		142/150 (94.67%)	Mean 94.67%	SD 3.06%	127/150 (84.67%)	Mean 84.67%	SD 9.45%
.....							
<b>#All Organs: Malignant Tumors</b>							
Overall Incidence	Total	26/50 (52%)	23/50 (46%)	34/50 (68%)	19/50 (38%)	15/50 (30%)	22/50 (44%)
		83/150 (55.33%)	Mean 55.33%	SD 11.37%	56/150 (37.33%)	Mean 37.33%	SD 7.02%
.....							
<b>#All Organs: Malignant and Benign Tumors</b>							
Overall Incidence	Total	49/50 (98%)	50/50 (100%)	50/50 (100%)	44/50 (88%)	48/50 (96%)	48/50 (96%)
		149/150 (99.33%)	Mean 99.33%	SD 1.15%	140/150 (93.33%)	Mean 93.33%	SD 4.62%
.....							
<b>#All Organs: Hemangioma</b>							
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs: Hemangiosarcoma</b>							
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	0/150 (0%)	Mean 0%	SD 0%
.....							
<b>#All Organs: Hemangiosarcoma or Hemangioma</b>							
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	0/150 (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: SKIN**  
**Vehicle: ETHANOL**

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 Report Date:04/29/2009

		Male				Female								
<b>#All Organs:</b>														
<b>Histiocytic Sarcoma</b>														
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#All Organs:</b>														
<b>Leukemia: Erythrocytic</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs:</b>														
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>														
		17/50	(34%)	17/50	(34%)	13/50	(26%)	12/50	(24%)	10/50	(20%)	9/50	(18%)	
<b>Overall Incidence</b>	Total	47/150	(31.33%)	Mean	31.33%	SD	4.62%	Total	31/150	(20.67%)	Mean	20.67%	SD	3.06%
.....														
<b>#All Organs:</b>														
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>														
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	2.31%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs:</b>														
<b>Mesothelioma: Benign</b>														
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs:</b>														
<b>Mesothelioma: Benign, Malignant, NOS</b>														
		2/50	(4%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	4/150	(2.67%)	Mean	2.67%	SD	1.15%	Total	0/150	(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: SKIN  
 Vehicle: ETHANOL

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		Male				Female								
<b>#All Organs: Mesothelioma: Malignant</b>														
		2/50	(4%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean	2%	SD	2%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs: Osteoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs: Osteosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#All Organs: Osteosarcoma or Osteoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Adrenal Cortex: Adenoma</b>														
		0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	3/50	(6%)	
<b>Overall Incidence</b>	Total	3/150	(2%)	Mean	2%	SD	3.46%	Total	3/150	(2%)	Mean	2%	SD	3.46%
.....														
<b>*Adrenal Cortex: Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: SKIN  
 Vehicle: ETHANOL

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		Male			Female			
<b>*Adrenal Medulla: Ganglioneuroma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
.....								
<b>*Adrenal Medulla: Hemangioma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
.....								
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>								
Overall Incidence	Total	3/50 (6%) 11/150 (7.33%)	5/50 (10%) Mean 7.33%	3/50 (6%) SD 2.31%	Total	1/50 (2%) 2/149 (1.34%)	1/50 (2%) Mean 1.33%	0/49 (0%) SD 1.15%
.....								
<b>*Adrenal Medulla: Pheochromocytoma Complex</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
.....								
<b>*Adrenal Medulla: Pheochromocytoma Malignant</b>								
Overall Incidence	Total	0/50 (0%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	4/50 (8%) SD 4.62%	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%
.....								
<b>*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS</b>								
Overall Incidence	Total	3/50 (6%) 14/150 (9.33%)	5/50 (10%) Mean 9.33%	6/50 (12%) SD 3.06%	Total	1/50 (2%) 2/149 (1.34%)	1/50 (2%) Mean 1.33%	0/49 (0%) SD 1.15%

\*: 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: SKIN  
 Vehicle: ETHANOL

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		Male				Female			
<b>#Bone:</b>									
<b>Chondrosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Bone:</b>									
<b>Chondrosarcoma or Chondroma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Bone:</b>									
<b>Chordoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%

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

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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female								
<b>*Brain:</b>														
<b>Astrocytoma Malignant</b>														
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Ependymoma Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Ependymoma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Glioma Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Granular Cell Tumor Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Brain:</b>														
<b>Medulloblastoma Mal</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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



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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Brain:</b>									
<b>Meningioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Meningioma: Benign, Malignant, NOS</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Benign</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%
									SD 1.15%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	1/150	(0.67%)	Mean 0.67%
									SD 1.15%
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%

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

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: SKIN  
 Vehicle: ETHANOL

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 Report Date:04/29/2009

		Male				Female								
<b>*Brain:</b>														
<b>Schwannoma Malignant</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Clitoral/Preputial Gland:</b>														
<b>Adenoma</b>														
		2/50	(4%)	2/50	(4%)	1/50	(2%)	2/50	(4%)	6/50	(12%)	2/50	(4%)	
<b>Overall Incidence</b>	Total	5/150	(3.33%)	Mean	3.33%	SD	1.15%	Total	10/150	(6.67%)	Mean	6.67%	SD	4.62%
.....														
<b>*Clitoral/Preputial Gland:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	2/150	(1.33%)	Mean	1.33%	SD	2.31%
.....														
<b>*Clitoral/Preputial Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		2/50	(4%)	2/50	(4%)	2/50	(4%)	2/50	(4%)	6/50	(12%)	4/50	(8%)	
<b>Overall Incidence</b>	Total	6/150	(4%)	Mean	4%	SD	0%	Total	12/150	(8%)	Mean	8%	SD	4%
.....														
<b>*Clitoral/Preputial Gland:</b>														
<b>Fibrosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Clitoral/Preputial Gland:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: SKIN  
 Vehicle: ETHANOL

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		Male				Female			
<b>*Clitoral/Preputial Gland: Squamous Cell Papilloma</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
.....									
<b>#Esophagus: Fibrosarcoma</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
.....									
<b>#Esophagus: Lipoma</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	
.....									
<b>#Eye: Amelanotic Melanoma, Benign</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	
.....									
<b>#Eye: Melanoma Malignant</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	

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

Version: 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: SKIN  
 Vehicle: ETHANOL

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		Male				Female					
<b>#Eye:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Harderian Gland:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Benign</b>											
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean 1.33%	SD 2.31%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Heart:</b>											
<b>Schwannoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>#Intestine Large: Colon/Rectum:</b>											
<b>Adenoma</b>											
		0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	

\*: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#Intestine Large: Colon/Rectum: Carcinoma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
.....								
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
.....								
<b>#Intestine Large: Colon/Rectum: Hemangioma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
.....								
<b>#Intestine Small: Duodenum: Carcinoma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
.....								
<b>#Intestine Small: Duodenum: Leiomyoma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
.....								
<b>#Intestine Small: Jejunum: Carcinoma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

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

Version: 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: SKIN  
 Vehicle: ETHANOL

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		Male				Female			
<b>#Intestine Small: Jejunum: Granular Cell Tumor Malignant</b>									
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum: Leiomyosarcoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Carcinoma or Adenoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor Malignant</b>									
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Intestine Small: Site Unspecified: Leiomyoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Site Unspecified: Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic: Adenoma</b>									
		3/50 (6%)	6/50 (12%)	5/50 (10%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	14/150 (9.33%)	Mean 9.33%	SD 3.06%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>									
		3/50 (6%)	6/50 (12%)	7/50 (14%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	16/150 (10.67%)	Mean 10.67%	SD 4.16%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

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

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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female					
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Adenoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

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



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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>*Kidney: Renal Tubule: Lipoma</b>									
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>									
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
<b>*Kidney: Renal Tubule: Nephroblastoma</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
<b>*Kidney: Renal Tubule: Sarcoma</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	
<b>*Liver: Cholangioma</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
<b>*Liver: Hemangiosarcoma</b>									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	

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

Version: 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: SKIN  
 Vehicle: ETHANOL

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		Male				Female					
<b>*Liver:</b>											
<b>Hepatocellular Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	6/50	(12%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	6/150	(4%)	Mean 4%	SD 6.93%	
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	6/50	(12%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	6/150	(4%)	Mean 4%	SD 6.93%	
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>											
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	6/50	(12%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	6/150	(4%)	Mean 4%	SD 6.93%	
.....											
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Adenoma</b>											
		4/50	(8%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	4/50	(8%)
<b>Overall Incidence</b>	Total	6/150	(4%)	Mean 4%	SD 3.46%	Total	4/150	(2.67%)	Mean 2.67%	SD 4.62%	

\*: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female								
<b>*Lung:</b>														
<b>Alveolar/Bronchiolar Carcinoma</b>														
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>*Lung:</b>														
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>														
		5/50	(10%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	4/50	(8%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	8/150	(5.33%)	Mean	5.33%	SD	4.16%	Total	4/150	(2.67%)	Mean	2.67%	SD	4.62%
.....														
<b>*Lung:</b>														
<b>Fibrosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Lung:</b>														
<b>Hemangiosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Lung:</b>														
<b>Sarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>*Lung:</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: SKIN  
 Vehicle: ETHANOL

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		Male				Female			
<b>#Lymph Node: Hemangiosarcoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Adenolipoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mammary Gland: Adenoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Mammary Gland: Carcinoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	1/50 (2%)	2/50 (4%)	4/50 (8%)	4/50 (8%)
		0/150 (0%)	Mean 0%	SD 0%	Total	7/150 (4.67%)	Mean 4.67%	SD 3.06%	
.....									
<b>#Mammary Gland: Carcinoma or Adenoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	1/50 (2%)	3/50 (6%)	4/50 (8%)	4/50 (8%)
		0/150 (0%)	Mean 0%	SD 0%	Total	8/150 (5.33%)	Mean 5.33%	SD 3.06%	
.....									
<b>#Mammary Gland: Fibroadenoma</b>									
Overall Incidence	Total	3/50 (6%)	1/50 (2%)	0/50 (0%)	Total	16/50 (32%)	14/50 (28%)	12/50 (24%)	12/50 (24%)
		4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	42/150 (28%)	Mean 28%	SD 4%	

\*: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#Mammary Gland:</b>							
<b>Fibroma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma or Adenoma</b>							
		3/50 (6%)	1/50 (2%)	0/50 (0%)	16/50 (32%)	15/50 (30%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	43/150 (28.67%)	
						Mean 28.67%	
						SD 4.16%	
.....							
<b>#Mammary Gland:</b>							
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>							
		3/50 (6%)	1/50 (2%)	0/50 (0%)	17/50 (34%)	17/50 (34%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	Total	48/150 (32%)	
						Mean 32%	
						SD 3.46%	
.....							
<b>#Mesentery:</b>							
<b>Fibrosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>#Mesentery:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>#Mesentery:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	

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

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: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female				
<b>#Mesentery:</b>									
<b>Rhabdomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Chondroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>*Nose:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/149 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Papilloma Squamous or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%	
.....									
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	4/150 (2.67%)	Mean 2.67%	SD 3.06%	
.....									
<b>#Oral Mucosa: Squamous Cell Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Oral Mucosa: Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Ovary: Cystadenoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary: Granulosa Cell Tumor Benign</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>					Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Ovary: Granulosa Cell Tumor Malignant</b>									
						1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>					Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

\*: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>								
			1/50 (2%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>		Total	1/150 (0.67%)		Mean 0.67%	SD 1.15%		
.....								
<b>*Ovary:</b>								
<b>Granulosa-Theca Tumor Benign</b>								
			0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%		
.....								
<b>*Ovary:</b>								
<b>Granulosa-Theca Tumor Malignant</b>								
			0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%		
.....								
<b>*Ovary:</b>								
<b>Tubulostromal Adenoma</b>								
			0/50 (0%)		0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%	SD 0%		
.....								
<b>*Pancreas:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 3.46%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

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



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: SKIN  
 Vehicle: ETHANOL

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		Male			Female		
<b>*Pancreas:</b>							
<b>  Carcinoma or Adenoma</b>							
		0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 3.46%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Pancreas:</b>							
<b>  Mixed Tumor Benign</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Pancreas:</b>							
<b>  Mixed Tumor Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Parathyroid Gland:</b>							
<b>  Adenoma</b>							
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/43 (0%)	0/46 (0%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/134 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>#Peripheral Nerve:</b>							
<b>  Schwannoma Malignant</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>#Peripheral Nerve:</b>							
<b>  Schwannoma: Benign, Malignant, NOS</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	

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

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: SKIN**  
**Vehicle: ETHANOL**

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 Report Date:04/29/2009

		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		35/49 (71%)	32/50 (64%)	29/50 (58%)		22/50 (44%)	35/50 (70%)	33/50 (66%)	
<b>Overall Incidence</b>	Total	96/149 (64.43%)	Mean 64.48%	SD 6.73%	Total	90/150 (60%)	Mean 60%	SD 14%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/49 (0%)	0/50 (0%)	5/50 (10%)		0/50 (0%)	0/50 (0%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	5/149 (3.36%)	Mean 3.33%	SD 5.77%	Total	3/150 (2%)	Mean 2%	SD 3.46%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		35/49 (71%)	32/50 (64%)	34/50 (68%)		22/50 (44%)	35/50 (70%)	36/50 (72%)	
<b>Overall Incidence</b>	Total	101/149 (67.79%)	Mean 67.81%	SD 3.72%	Total	93/150 (62%)	Mean 62%	SD 15.62%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Ganglioneuroma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/149 (1.34%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma</b>									
		0/49 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/149 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female							
<b>*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma</b>													
		0/49	(0%)	0/50	(0%)	3/50	(6%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/149	(2.01%)	Mean 2%	SD 3.46%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%			
.....													
<b>*Prostate: Adenoma</b>													
		0/50	(0%)	0/50	(0%)	1/50	(2%)						
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%								
.....													
<b>*Prostate: Carcinoma or Adenoma</b>													
		0/50	(0%)	0/50	(0%)	1/50	(2%)						
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%								
.....													
<b>*Salivary Glands: Sarcoma</b>													
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/149	(0.67%)	Mean 0.68%	SD 1.18%	Total	0/150	(0%)	Mean 0%	SD 0%			
.....													
<b>#Seminal Vesicle: Adenoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)						
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%								
.....													
<b>#Skeletal Muscle: Fibrous Histiocytoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%			

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

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: SKIN**  
**Vehicle: ETHANOL**

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 Report Date:04/29/2009

		Male				Female			
<b>#Skeletal Muscle: Hemangioma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Hemangiosarcoma</b>									
Overall Incidence	Total	1/50 (2%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Lipoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	1/50 (2%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	
.....									
<b>#Skeletal Muscle: Sarcoma</b>									
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	1/50 (2%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN  
 Vehicle: ETHANOL

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		Male			Female			
<b>#Skin:</b>								
<b>Basal Cell Adenoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Adenoma or Basosquamous Tumor Benign</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>								
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		2/50 (4%)	2/50 (4%)	4/50 (8%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	8/150 (5.33%)	Mean 5.33%	SD 2.31%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>#Skin:</b>									
<b>Fibroma</b>									
		1/50 (2%)	7/50 (14%)	5/50 (10%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	13/150 (8.67%)	Mean 8.67%	SD 6.11%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		3/50 (6%)	8/50 (16%)	5/50 (10%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	16/150 (10.67%)	Mean 10.67%	SD 5.03%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		2/50 (4%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/150 (2%)	Mean 2%	SD 2%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN**  
**Vehicle: ETHANOL**

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 Report Date:04/29/2009

		Male				Female			
<b>#Skin: Hemangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin: Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin: Keratoacanthoma</b>									
		0/50	(0%)	2/50	(4%)	3/50	(6%)	0/50	(0%)
<b>Overall Incidence</b>	Total	5/150	(3.33%)	Mean 3.33%	SD 3.06%	Total	1/150	(0.67%)	Mean 0.67%
									SD 1.15%
.....									
<b>#Skin: Lipoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin: Liposarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%
.....									
<b>#Skin: Neural Crest Tumor</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
									SD 0%

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

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: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>#Skin:</b>								
<b>Neural Crest Tumor, Malignant</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibroma or Schwannoma benign</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>								
		1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>#Skin:</b>								
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>								
		1/50 (2%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>#Skin:</b>								
<b>Sarcoma</b>								
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
<b>Schwannoma Benign</b>								
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN  
 Vehicle: ETHANOL

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	Male					Female								
<b>#Skin:</b>														
<b>Schwannoma Malignant</b>														
		1/50	(2%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	
<b>Overall Incidence</b>	Total	4/150	(2.67%)	Mean	2.67%	SD	1.15%	Total	2/150	(1.33%)	Mean	1.33%	SD	2.31%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Carcinoma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Papilloma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Papilloma or Papilloma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>														
		1/50	(2%)	2/50	(4%)	4/50	(8%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	
<b>Overall Incidence</b>	Total	7/150	(4.67%)	Mean	4.67%	SD	3.06%	Total	2/150	(1.33%)	Mean	1.33%	SD	1.15%

\*: 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: SKIN**  
**Vehicle: ETHANOL**

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	Male					Female								
<b>#Skin:</b>														
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>														
		0/50	(0%)	2/50	(4%)	4/50	(8%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
<b>Overall Incidence</b>	Total	6/150	(4%)	Mean	4%	SD	4%	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%
.....														
<b>#Skin:</b>														
<b>Trichoepithelioma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin: Sebaceous Gland:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin: Sebaceous Gland:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin: Sebaceous Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean	0.67%	SD	1.15%	Total	0/150	(0%)	Mean	0%	SD	0%
.....														
<b>#Spinal Cord:</b>														
<b>Astrocytoma Benign</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean	0%	SD	0%	Total	0/150	(0%)	Mean	0%	SD	0%

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

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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female			
<b>#Spinal Cord: Astrocytoma Malignant</b>									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%
							0/50	(0%)	SD 0%
.....									
<b>#Spinal Cord: Glioma Malignant</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
							0/50	(0%)	SD 0%
.....									
<b>*Spleen: Fibrosarcoma</b>									
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%
							0/50	(0%)	SD 0%
.....									
<b>*Spleen: Fibrous Histiocytoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
							0/50	(0%)	SD 0%
.....									
<b>*Spleen: Hemangioma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
							0/50	(0%)	SD 0%
.....									
<b>*Spleen: Hemangiosarcoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%
							0/50	(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: SKIN  
 Vehicle: ETHANOL

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		Male				Female					
<b>*Spleen:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Spleen:</b>											
<b>Sarcoma</b>											
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Stomach, Forestomach:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	Total	0/150	(0%)	Mean 0%	SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female		
<b>#Stomach, Glandular:</b>							
<b>Lipoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>#Stomach, Glandular:</b>							
<b>Sarcoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Testes:</b>							
<b>Adenoma</b>							
		30/50 (60%)	37/50 (74%)	36/50 (72%)			
<b>Overall Incidence</b>	Total	103/150 (68.67%)	Mean 68.67%	SD 7.57%			
.....							
<b>*Thymus:</b>							
<b>Sarcoma</b>							
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/45 (0%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Thymus:</b>							
<b>Thymoma Benign</b>							
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/45 (0%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	
						Mean 0%	
						SD 0%	
.....							
<b>*Thymus:</b>							
<b>Thymoma Malignant</b>							
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/45 (0%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/144 (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: SKIN**  
**Vehicle: ETHANOL**

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		Male			Female			
<b>*Thymus:</b>								
<b>Thymoma NOS</b>								
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/45 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
.....								
<b>*Thymus:</b>								
<b>Thymoma: Benign, Malignant, NOS</b>								
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/45 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%
.....								
<b>*Thyroid Gland: C-Cell:</b>								
<b>Adenoma</b>								
		10/50 (20%)	10/50 (20%)	5/50 (10%)	6/50 (12%)	8/50 (16%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	25/150 (16.67%)	Mean 16.67%	SD 5.77%	Total	17/150 (11.33%)	Mean 11.33%	SD 5.03%
.....								
<b>*Thyroid Gland: C-Cell:</b>								
<b>Carcinoma</b>								
		1/50 (2%)	2/50 (4%)	5/50 (10%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	8/150 (5.33%)	Mean 5.33%	SD 4.16%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
.....								
<b>*Thyroid Gland: C-Cell:</b>								
<b>Carcinoma or Adenoma</b>								
		11/50 (22%)	12/50 (24%)	10/50 (20%)	6/50 (12%)	8/50 (16%)	5/50 (10%)	
<b>Overall Incidence</b>	Total	33/150 (22%)	Mean 22%	SD 2%	Total	19/150 (12.67%)	Mean 12.67%	SD 3.06%
.....								
<b>*Thyroid Gland: Follicular Cell:</b>								
<b>Adenoma</b>								
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN  
 Vehicle: ETHANOL

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		Male				Female			
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
.....									
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>									
Overall Incidence	Total	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	3/150 (2%)	Mean 2%	SD 2%	
.....									
<b>#Tissue NOS: Lipoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS: Paraganglioma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tissue NOS: Schwannoma Malignant</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
.....									
<b>#Tongue: Squamous Cell Carcinoma</b>									
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%)
		0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	

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

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: SKIN**  
**Vehicle: ETHANOL**

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		Male				Female					
<b>#Tongue:</b>											
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 2.31%	
.....											
<b>#Tongue:</b>											
<b>Squamous Cell Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	2/150	(1.33%)	Mean 1.33%	SD 2.31%	
.....											
<b>#Tooth:</b>											
<b>Adamantinoma Malignant</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>#Tooth:</b>											
<b>Odontoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	
.....											
<b>*Urinary Bladder:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	
.....											
<b>*Urinary Bladder:</b>											
<b>Carcinoma or Papilloma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	Total	0/150	(0%)	Mean 0%	SD 0%	

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



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: SKIN  
 Vehicle: ETHANOL

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		Male			Female			
<b>*Urinary Bladder: Hemangiosarcoma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Urinary Bladder: Leiomyosarcoma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>*Urinary Bladder: Papilloma</b>								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>#Uterus: Adenoma</b>								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>#Uterus: Carcinoma</b>								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
<b>#Uterus: Deciduoma Benign</b>								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: 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: SKIN  
 Vehicle: ETHANOL

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	Male			Female		
<b>#Uterus:</b>						
<b>Hemangioma</b>						
		0/50	(0%)	0/50	(0%)	0/50
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	(0%)
.....						
<b>#Uterus:</b>						
<b>Hemangiosarcoma</b>						
		0/50	(0%)	0/50	(0%)	0/50
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	(0%)
.....						
<b>#Uterus:</b>						
<b>Leiomyoma</b>						
		0/50	(0%)	0/50	(0%)	1/50
<b>Overall Incidence</b>	Total	1/150	(0.67%)	Mean 0.67%	SD 1.15%	(2%)
.....						
<b>#Uterus:</b>						
<b>Leiomyosarcoma</b>						
		0/50	(0%)	0/50	(0%)	0/50
<b>Overall Incidence</b>	Total	0/150	(0%)	Mean 0%	SD 0%	(0%)
.....						
<b>#Uterus:</b>						
<b>Polyp Stromal</b>						
		5/50	(10%)	2/50	(4%)	10/50
<b>Overall Incidence</b>	Total	17/150	(11.33%)	Mean 11.33%	SD 8.08%	(20%)
.....						
<b>#Uterus:</b>						
<b>Sarcoma Stromal</b>						
		1/50	(2%)	1/50	(2%)	0/50
<b>Overall Incidence</b>	Total	2/150	(1.33%)	Mean 1.33%	SD 1.15%	(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: SKIN**  
**Vehicle: ETHANOL**

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 Report Date:04/29/2009

		Male			Female		
<b>#Uterus:</b>							
<b>Sarcoma Stromal or Polyp Stromal</b>							
			6/50 (12%)		3/50 (6%)		10/50 (20%)
<b>Overall Incidence</b>		Total	19/150 (12.67%)		Mean 12.67%		SD 7.02%
.....							
<b>#Uterus:</b>							
<b>Schwannoma Malignant</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Polyp</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>#Vagina:</b>							
<b>Sarcoma</b>							
			0/50 (0%)		0/50 (0%)		0/50 (0%)
<b>Overall Incidence</b>		Total	0/150 (0%)		Mean 0%		SD 0%
.....							
<b>#Zymbal's Gland:</b>							
<b>Adenoma</b>							
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%
						SD 0%	
.....							
<b>#Zymbal's Gland:</b>							
<b>Carcinoma</b>							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%
						SD 0%	

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

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: SKIN  
Vehicle: ETHANOL

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Report Date:04/29/2009

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	Male					Female				
<b>#Zymbal's Gland:</b>										
<b>Carcinoma or Adenoma</b>		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%		

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