

# NTP Historical Controls Report

All Routes And Vehicles

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.

The report combines all the data from all of the historical control studies into one section. To see this data broken up by route and vehicle you must run the "By Route And Vehicle" 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.

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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>							
Southern Research Institute	059902407	02/03/03	729	50 (3)	21(661)	518.7	Androstenedione
Battelle Columbus Laboratory	059902805	09/16/02	729	50 (1)	21(676)	506.2	bis(2-Chloroethoxy)methane
Battelle Northwest	052001105	07/14/03	729	50 (5)	23(678)	526.9	1-Bromopropane
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
Battelle Northwest	059601105	06/04/01	729	50 (5)	26(676)	540.9	Cumene
Battelle Columbus Laboratory	059700307	07/10/02	728	50 (1)	25(680)	510.4	1,2-Dibromo-2,4-dicyanobutane
Battelle Northwest	059901705	08/25/03	729	50 (5)	28(686)	525.6	Diethylamine
Southern Research Institute	059302007	04/24/00	729	50 (1)	20(670)	484.2	Diisopropylcarbodiimide
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
Southern Research Institute	059900705	04/21/03	729	50 (3)	33(679)	460.9	Goldenseal root powder
Battelle Columbus Laboratory	059501107	03/06/02	727	50 (3)	22(673)	510.3	5-(Hydroxymethyl)-2-furfural
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 Northwest	059700601	05/25/00	726	50 (5)	32(693)	529.7	Methyl isobutyl ketone
Southern Research Institute	059100507	06/26/00	730	50 (3)	30(693)	520.6	Methylene blue trihydrate
Southern Research Institute	059201305	01/20/00	730	50 (3)	31(702)	448.0	4-Methylimidazole
Battelle Northwest	058800603	08/06/01	729	50 (5)	27(680)	537.2	alpha-Methylstyrene
Southern Research Institute	052000803	03/04/03	729	50 (3)	36(704)	452.1	Milk thistle extract
Battelle Columbus Laboratory	059902303	03/25/02	729	50 (3)	29(683)	501.9	beta-Myrcene
Battelle Northwest	059700805	10/01/01	729	49 (5)	27(683)	525.0	Propargyl alcohol
Battelle Columbus Laboratory	059902005	04/09/03	727	50 (3)	39(685)	514.9	Pulegone
Southern Research Institute	052011407	10/02/02	730	50 (3)	28(696)	532.4	Sodium dichromate dihydrate (VI)
Battelle Northwest	059302507	06/16/03	729	50 (5)	20(668)	536.2	Tetralin
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)

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: ALL ROUTES  
 Vehicle: ALL VEHICLES

Page: 4  
 Report Date:04/29/2009

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
Female							
Southern Research Institute	059902407	02/03/03	729	50 (5)	38(710)	356.5	Androstenedione
Battelle Columbus Laboratory	059902805	09/17/02	730	50 (1)	19(646)	341.0	bis(2-Chloroethoxy)methane
Battelle Northwest	052001105	07/14/03	730	50 (5)	34(702)	386.5	1-Bromopropane
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
Battelle Northwest	059601105	06/04/01	731	50 (5)	21(674)	356.9	Cumene
Battelle Columbus Laboratory	059700307	07/11/02	729	50 (1)	29(695)	337.8	1,2-Dibromo-2,4-dicyanobutane
Battelle Northwest	059901705	08/25/03	730	50 (5)	31(687)	378.3	Diethylamine
Southern Research Institute	059302007	04/24/00	731	50 (1)	30(672)	319.5	Diisopropylcarbodiimide
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
Southern Research Institute	059900705	04/21/03	731	50 (5)	30(699)	326.0	Goldenseal root powder
Battelle Columbus Laboratory	059501107	03/07/02	728	50 (5)	31(679)	332.2	5-(Hydroxymethyl)-2-furfural
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 Northwest	059700601	05/25/00	727	50 (5)	35(694)	365.6	Methyl isobutyl ketone
Southern Research Institute	059100507	06/26/00	733	50 (5)	35(699)	335.9	Methylene blue trihydrate
Southern Research Institute	059201305	01/20/00	735	50 (5)	40(702)	311.3	4-Methylimidazole
Battelle Northwest	058800603	08/06/01	730	50 (5)	27(647)	351.9	alpha-Methylstyrene
Southern Research Institute	052000803	03/04/03	732	50 (5)	38(693)	328.4	Milk thistle extract
Battelle Columbus Laboratory	059902303	03/26/02	730	50 (5)	31(668)	323.8	beta-Myrcene
Battelle Northwest	059700805	10/01/01	730	50 (5)	29(678)	353.3	Propargyl alcohol
Battelle Columbus Laboratory	059902005	04/10/03	728	50 (5)	31(682)	341.2	Pulegone
Southern Research Institute	052011407	10/02/02	735	50 (5)	33(700)	351.2	Sodium dichromate dihydrate (VI)
Battelle Northwest	059302507	06/16/03	730	50 (5)	31(682)	370.8	Tetralin
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)

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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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>#All Organs:</b>									
<b>Benign Tumors</b>									
		47/50 (94%)	49/50 (98%)	48/50 (96%)		44/50 (88%)	37/50 (74%)	45/50 (90%)	
		49/50 (98%)	50/50 (100%)	48/50 (96%)		45/50 (90%)		44/50 (88%)	
		46/50 (92%)	44/50 (88%)	47/50 (94%)		46/50 (92%)	43/50 (86%)	44/50 (88%)	
		45/50 (90%)	49/50 (98%)	47/50 (94%)		43/50 (86%)	42/50 (84%)	46/50 (92%)	
		50/50 (100%)	49/50 (98%)	49/49 (100%)		46/50 (92%)	41/50 (82%)	43/50 (86%)	
		50/50 (100%)	47/50 (94%)	50/50 (100%)		44/50 (88%)	47/50 (94%)	48/50 (96%)	
		48/50 (96%)	50/50 (100%)	49/50 (98%)		43/50 (86%)	39/50 (78%)	40/50 (80%)	
		48/49 (98%)	47/50 (94%)	49/50 (98%)		42/50 (84%)	42/50 (84%)	47/50 (94%)	
		48/50 (96%)	50/50 (100%)	47/50 (94%)		40/50 (80%)	49/50 (98%)	42/50 (84%)	
		50/50 (100%)				44/50 (88%)			
<b>Overall Incidence</b>	Total	1350/1398 (96.57%)	Mean 96.57%	SD 3.26%	Total	1176/1350 (87.11%)	Mean 87.11%	SD 5.58%	
.....									
<b>#All Organs:</b>									
<b>Malignant Tumors</b>									
		34/50 (68%)	26/50 (52%)	38/50 (76%)		10/50 (20%)	19/50 (38%)	26/50 (52%)	
		27/50 (54%)	23/50 (46%)	36/50 (72%)		15/50 (30%)		24/50 (48%)	
		23/50 (46%)	31/50 (62%)	34/50 (68%)		15/50 (30%)	24/50 (48%)	22/50 (44%)	
		25/50 (50%)	26/50 (52%)	29/50 (58%)		15/50 (30%)	10/50 (20%)	19/50 (38%)	
		35/50 (70%)	29/50 (58%)	17/49 (35%)		16/50 (32%)	18/50 (36%)	11/50 (22%)	
		31/50 (62%)	30/50 (60%)	22/50 (44%)		22/50 (44%)	19/50 (38%)	19/50 (38%)	
		32/50 (64%)	26/50 (52%)	23/50 (46%)		25/50 (50%)	18/50 (36%)	11/50 (22%)	
		32/49 (65%)	10/50 (20%)	29/50 (58%)		26/50 (52%)	8/50 (16%)	20/50 (40%)	
		33/50 (66%)	27/50 (54%)	29/50 (58%)		25/50 (50%)	18/50 (36%)	16/50 (32%)	
		27/50 (54%)				20/50 (40%)			
<b>Overall Incidence</b>	Total	784/1398 (56.08%)	Mean 56.07%	SD 11.84%	Total	491/1350 (36.37%)	Mean 36.37%	SD 10.39%	
.....									
<b>#All Organs:</b>									
<b>Malignant and Benign Tumors</b>									
		49/50 (98%)	49/50 (98%)	50/50 (100%)		46/50 (92%)	44/50 (88%)	49/50 (98%)	
		50/50 (100%)	50/50 (100%)	50/50 (100%)		47/50 (94%)		50/50 (100%)	
		50/50 (100%)	49/50 (98%)	50/50 (100%)		48/50 (96%)	48/50 (96%)	48/50 (96%)	
		48/50 (96%)	49/50 (98%)	50/50 (100%)		49/50 (98%)	45/50 (90%)	48/50 (96%)	
		50/50 (100%)	50/50 (100%)	49/49 (100%)		48/50 (96%)	46/50 (92%)	46/50 (92%)	
		50/50 (100%)	49/50 (98%)	50/50 (100%)		46/50 (92%)	50/50 (100%)	48/50 (96%)	
		50/50 (100%)	50/50 (100%)	50/50 (100%)		46/50 (92%)	46/50 (92%)	45/50 (90%)	
		49/49 (100%)	47/50 (94%)	50/50 (100%)		47/50 (94%)	44/50 (88%)	49/50 (98%)	
		50/50 (100%)	50/50 (100%)	50/50 (100%)		46/50 (92%)	49/50 (98%)	45/50 (90%)	
		50/50 (100%)				48/50 (96%)			
<b>Overall Incidence</b>	Total	1388/1398 (99.28%)	Mean 99.29%	SD 1.46%	Total	1271/1350 (94.15%)	Mean 94.15%	SD 3.46%	

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(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%)	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%)			
		0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	5/1398	(0.36%)	Mean	0.36%	SD	0.78%	Total	2/1350	(0.15%)	Mean	0.15%	SD	0.53%
.....														
<b>#All Organs:</b>														
<b>Hemangiosarcoma</b>														
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		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%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	2/50	(4%)			
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	8/1398	(0.57%)	Mean	0.57%	SD	1.07%	Total	6/1350	(0.44%)	Mean	0.44%	SD	1.15%
.....														
<b>#All Organs:</b>														
<b>Hemangiosarcoma or Hemangioma</b>														
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		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%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	1/50	(2%)	2/50	(4%)	2/50	(4%)			
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	13/1398	(0.93%)	Mean	0.93%	SD	1.27%	Total	8/1350	(0.59%)	Mean	0.59%	SD	1.22%

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

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**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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 Vehicle: ALL VEHICLES

Page: 7  
 Report Date:04/29/2009

		Male				Female			
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		1/50 (2%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	0/49 (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%)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	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>	<b>Total</b>	11/1398 (0.79%)	Mean 0.79%	SD 1.47%	<b>Total</b>	11/1350 (0.81%)	Mean 0.81%	SD 1.39%	
.....									
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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>	0/1398 (0%)	Mean 0%	SD 0%	<b>Total</b>	1/1350 (0.07%)	Mean 0.07%	SD 0.38%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		26/50 (52%)	17/50 (34%)	29/50 (58%)	5/50 (10%)	12/50 (24%)	16/50 (32%)		
		19/50 (38%)	15/50 (30%)	26/50 (52%)	9/50 (18%)	12/50 (24%)	12/50 (24%)		
		17/50 (34%)	25/50 (50%)	13/50 (26%)	10/50 (20%)	15/50 (30%)	9/50 (18%)		
		15/50 (30%)	18/50 (36%)	21/50 (42%)	10/50 (20%)	6/50 (12%)	9/50 (18%)		
		28/50 (56%)	10/50 (20%)	7/49 (14%)	9/50 (18%)	8/50 (16%)	5/50 (10%)		
		25/50 (50%)	23/50 (46%)	15/50 (30%)	14/50 (28%)	12/50 (24%)	9/50 (18%)		
		26/50 (52%)	17/50 (34%)	9/50 (18%)	18/50 (36%)	6/50 (12%)	5/50 (10%)		
		21/49 (43%)	4/50 (8%)	26/50 (52%)	20/50 (40%)	4/50 (8%)	8/50 (16%)		
		25/50 (50%)	21/50 (42%)	17/50 (34%)	17/50 (34%)	15/50 (30%)	11/50 (22%)		
		21/50 (42%)			14/50 (28%)				
<b>Overall Incidence</b>	<b>Total</b>	536/1398 (38.34%)	Mean 38.33%	SD 13.14%	<b>Total</b>	288/1350 (21.33%)	Mean 21.33%	SD 8.66%	

\*: 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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male					Female						
<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%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(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%)	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%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					1/50	(2%)				
<b>Overall Incidence</b>	Total	5/1398 (0.36%)		Mean 0.36%		SD 0.95%		Total 2/1350 (0.15%)		Mean 0.15%		SD 0.53%	
.....													
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	Total	1/1398 (0.07%)		Mean 0.07%		SD 0.38%		Total 1/1350 (0.07%)		Mean 0.07%		SD 0.38%	
.....													
<b>#All Organs:</b>													
<b>Mesothelioma: Benign, Malignant, NOS</b>													
		1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	3/50	(6%)	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%)
		2/50	(4%)	2/50	(4%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
		2/50	(4%)	3/50	(6%)	3/49	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		1/49	(2%)	2/50	(4%)	2/50	(4%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
<b>Overall Incidence</b>	Total	36/1398 (2.58%)		Mean 2.58%		SD 2.24%		Total 5/1350 (0.37%)		Mean 0.37%		SD 0.97%	

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



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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<b>#All Organs:</b>											
<b>Mesothelioma: Malignant</b>											
		1/50 (2%)	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%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	3/50 (6%)	3/49 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		1/49 (2%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)	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>	35/1398 (2.5%)	Mean 2.51%	SD 2.29%	<b>Total</b>	4/1350 (0.3%)	Mean 0.3%	SD 0.91%			
.....											
<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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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>	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	<b>Total</b>	0/1350 (0%)	Mean 0%	SD 0%			
.....											
<b>#All Organs:</b>											
<b>Osteosarcoma</b>											
		1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	14/1398 (1%)	Mean 1%	SD 1.68%	<b>Total</b>	5/1350 (0.37%)	Mean 0.37%	SD 0.79%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female			
<b>#All Organs:</b>									
<b>Osteosarcoma or Osteoma</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	1/49 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	15/1398 (1.07%)	Mean 1.07%	SD 1.68%	Total	5/1350 (0.37%)	Mean 0.37%	SD 0.79%	
.....									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/49 (2%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	2/50 (4%)	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%)	8/50 (16%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	15/1397 (1.07%)	Mean 1.07%	SD 1.84%	Total	28/1346 (2.08%)	Mean 2.08%	SD 3.57%	
.....									
<b>*Adrenal Cortex:</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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/48 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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>	Total	2/1397 (0.14%)	Mean 0.14%	SD 0.53%	Total	0/1346 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)	0/48 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
<b>Overall Incidence</b>	Total	1/1395 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1338 (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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/48 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)
		0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
<b>Overall Incidence</b>	Total	0/1395 (0%)	Mean 0%	SD 0%	Total	1/1338 (0.07%)	Mean 0.07%	SD 0.38%			
.....											
<b>*Adrenal Medulla: Pheochromocytoma Benign</b>											
		7/50 (14%)	3/50 (6%)	10/50 (20%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		8/50 (16%)	8/50 (16%)	7/50 (14%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		5/50 (10%)	7/50 (14%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		9/50 (18%)	4/50 (8%)	5/49 (10%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)
		5/50 (10%)	5/50 (10%)	5/49 (10%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	3/50 (6%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
		8/50 (16%)	9/50 (18%)	8/50 (16%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/48 (4%)	2/48 (4%)	2/48 (4%)	2/48 (4%)
		8/50 (16%)	5/50 (10%)	11/50 (22%)	1/49 (2%)	1/48 (2%)	1/48 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		8/49 (16%)	8/50 (16%)	6/49 (12%)	1/50 (2%)	3/50 (6%)	3/50 (6%)	2/49 (4%)	2/49 (4%)	2/49 (4%)	2/49 (4%)
		9/50 (18%)	9/50 (18%)	7/49 (14%)	2/50 (4%)	2/49 (4%)	2/49 (4%)	1/49 (2%)	1/49 (2%)	1/49 (2%)	1/49 (2%)
		10/50 (20%)			1/49 (2%)						
<b>Overall Incidence</b>	Total	197/1395 (14.12%)	Mean 14.12%	SD 4.26%	Total	37/1338 (2.77%)	Mean 2.76%	SD 1.94%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Complex</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/48 (0%)		
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/48 (2%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)		
		0/50 (0%)			0/49 (0%)				
<b>Overall Incidence</b>	Total	8/1395 (0.57%)	Mean 0.57%	SD 1.2%	Total	4/1338 (0.3%)	Mean 0.3%	SD 0.73%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		3/50 (6%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/48 (0%)		
		0/50 (0%)	3/50 (6%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/48 (2%)		
		2/50 (4%)	0/50 (0%)	2/50 (4%)	0/49 (0%)	0/48 (0%)	0/50 (0%)		
		3/49 (6%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	1/49 (2%)		
		4/50 (8%)	1/50 (2%)	0/49 (0%)	1/50 (2%)	2/49 (4%)	0/49 (0%)		
		0/50 (0%)			0/49 (0%)				
<b>Overall Incidence</b>	Total	27/1395 (1.94%)	Mean 1.94%	SD 2.64%	Total	8/1338 (0.6%)	Mean 0.6%	SD 1.23%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		8/50 (16%)	3/50 (6%)	11/50 (22%)	4/50 (8%)	1/50 (2%)	3/50 (6%)		
		11/50 (22%)	8/50 (16%)	7/50 (14%)	3/50 (6%)		3/50 (6%)		
		5/50 (10%)	10/50 (20%)	6/50 (12%)	1/50 (2%)	0/50 (0%)	0/49 (0%)		
		9/50 (18%)	4/50 (8%)	6/49 (12%)	0/50 (0%)	1/50 (2%)	0/48 (0%)		
		5/50 (10%)	7/50 (14%)	5/49 (10%)	0/50 (0%)	2/50 (4%)	3/50 (6%)		
		8/50 (16%)	11/50 (22%)	10/50 (20%)	3/50 (6%)	2/50 (4%)	3/48 (6%)		
		10/50 (20%)	6/50 (12%)	13/50 (26%)	1/49 (2%)	2/48 (4%)	1/50 (2%)		
		10/49 (20%)	8/50 (16%)	7/49 (14%)	1/50 (2%)	3/50 (6%)	3/49 (6%)		
		12/50 (24%)	10/50 (20%)	7/49 (14%)	3/50 (6%)	4/49 (8%)	1/49 (2%)		
		10/50 (20%)			1/49 (2%)				
<b>Overall Incidence</b>	Total	227/1395 (16.27%)	Mean 16.27%	SD 5.1%	Total	49/1338 (3.66%)	Mean 3.66%	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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	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	0/1398	(0%)	Mean 0%	SD 0%	Total	1/1350	(0.07%)	Mean 0.07%	SD 0.38%	
.....											
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean 0%	SD 0%	Total	1/1350	(0.07%)	Mean 0.07%	SD 0.38%	
.....											
<b>#Bone:</b>											
<b>Chordoma</b>											
		1/50	(2%)	0/50	(0%)	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%)	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%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	7/1398	(0.5%)	Mean 0.5%	SD 0.88%	Total	0/1350	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female								
<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%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(0%)	Mean	0%	SD	0%
.....														
<b>#Bone:</b>														
<b>Osteosarcoma</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%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	2/50	(4%)	1/49	(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%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	13/1398	(0.93%)	Mean	0.93%	SD	1.59%	Total	5/1350	(0.37%)	Mean	0.37%	SD	0.79%
.....														
<b>#Bone:</b>														
<b>Osteosarcoma or Osteoma</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%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	2/50	(4%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	2/50	(4%)	1/49	(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%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	14/1398	(1%)	Mean	1%	SD	1.59%	Total	5/1350	(0.37%)	Mean	0.37%	SD	0.79%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	4/1397 (0.29%)	Mean 0.29%	SD 0.71%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			
.....											
<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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1397 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1397 (0.07%)	Mean 0.07%	SD 0.39%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<b>*Brain:</b>														
<b>    Glioma 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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	1/1397	(0.07%)	Mean	0.07%	SD	0.38%	Total	3/1350	(0.22%)	Mean	0.22%	SD	0.64%
.....														
<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%)	
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	2/1397	(0.14%)	Mean	0.14%	SD	0.76%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/1397	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		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%)	0/50	(0%)	0/50	(0%)	0/50	(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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
		0/50	(0%)			0/50	(0%)							
<b>Overall Incidence</b>	Total	0/1397	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<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%)	0/50	(0%)	0/50	(0%)	0/50	(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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	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	0/1397	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<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%)	0/50	(0%)	0/50	(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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)			0/50	(0%)			0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1397	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	1/1397	(0.07%)	Mean	0.07%	SD	0.38%	Total	4/1350	(0.3%)	Mean	0.3%	SD	0.72%
.....														
<b>*Brain:</b>														
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>														
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	
		1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		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%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	
		0/49	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	7/1397	(0.5%)	Mean	0.5%	SD	0.88%	Total	8/1350	(0.59%)	Mean	0.59%	SD	1.22%
.....														
<b>*Brain:</b>														
<b>Osteosarcoma</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%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	1/1397	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>*Brain:</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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1397 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%			
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Adenoma</b>											
		3/50 (6%)	2/50 (4%)	4/50 (8%)	12/50 (24%)	2/50 (4%)	3/49 (6%)				
		1/50 (2%)	5/50 (10%)	0/50 (0%)	10/50 (20%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	5/50 (10%)	1/50 (2%)
		2/50 (4%)	0/50 (0%)	1/50 (2%)	6/50 (12%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/50 (4%)	5/50 (10%)	2/50 (4%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	5/50 (10%)	1/50 (2%)	2/50 (4%)	5/50 (10%)	5/50 (10%)
		5/50 (10%)	2/50 (4%)	0/49 (0%)	3/50 (6%)	3/48 (6%)	2/50 (4%)	3/48 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	7/50 (14%)	8/50 (16%)	7/50 (14%)	8/50 (16%)	8/50 (16%)	8/50 (16%)
		0/50 (0%)	1/50 (2%)	5/50 (10%)	0/50 (0%)	11/50 (22%)	7/50 (14%)	11/50 (22%)	7/50 (14%)	7/50 (14%)	7/50 (14%)
		3/49 (6%)	3/50 (6%)	4/50 (8%)	4/50 (8%)	3/50 (6%)	2/50 (4%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		0/50 (0%)	4/50 (8%)	3/50 (6%)	0/50 (0%)	17/50 (34%)	8/50 (16%)	17/50 (34%)	8/50 (16%)	8/50 (16%)	8/50 (16%)
		1/48 (2%)			5/50 (10%)						
<b>Overall Incidence</b>	Total	53/1396 (3.8%)	Mean 3.79%	SD 3.46%	Total	125/1347 (9.28%)	Mean 9.27%	SD 8.43%			
.....											
<b>*Clitoral/Preputial Gland:</b>											
<b>Carcinoma</b>											
		0/50 (0%)	0/50 (0%)	2/50 (4%)	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%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)				
		1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	4/50 (8%)				
		1/50 (2%)	2/50 (4%)	1/49 (2%)	0/50 (0%)	2/48 (4%)	2/50 (4%)				
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)				
		2/50 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)				
		0/49 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	8/50 (16%)				
		0/50 (0%)	2/50 (4%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	1/50 (2%)				
		0/48 (0%)			1/50 (2%)						
<b>Overall Incidence</b>	Total	20/1396 (1.43%)	Mean 1.43%	SD 1.62%	Total	37/1347 (2.75%)	Mean 2.75%	SD 3.56%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female				
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>										
		3/50 (6%)	2/50 (4%)	6/50 (12%)	13/50 (26%)	2/50 (4%)	4/49 (8%)			
		1/50 (2%)	5/50 (10%)	0/50 (0%)	10/50 (20%)		3/50 (6%)			
		2/50 (4%)	1/50 (2%)	2/50 (4%)	6/50 (12%)	1/50 (2%)	4/50 (8%)			
		2/50 (4%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	9/50 (18%)			
		6/50 (12%)	4/50 (8%)	1/49 (2%)	3/50 (6%)	5/48 (10%)	4/50 (8%)			
		1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	8/50 (16%)	10/50 (20%)			
		2/50 (4%)	3/50 (6%)	5/50 (10%)	1/50 (2%)	14/50 (28%)	7/50 (14%)			
		3/49 (6%)	4/50 (8%)	4/50 (8%)	4/50 (8%)	3/50 (6%)	10/50 (20%)			
		0/50 (0%)	5/50 (10%)	3/50 (6%)	4/50 (8%)	17/50 (34%)	9/50 (18%)			
		1/48 (2%)			6/50 (12%)					
<b>Overall Incidence</b>	Total	71/1396 (5.09%)	Mean 5.08%	SD 3.55%	Total	162/1347 (12.03%)	Mean 12.02%	SD 8.55%		

<b>*Clitoral/Preputial Gland: Fibrosarcoma</b>										
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (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%)	0/48 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/48 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/1396 (0%)	Mean 0%	SD 0%	Total	1/1347 (0.07%)	Mean 0.07%	SD 0.38%		

<b>*Clitoral/Preputial Gland: Sarcoma</b>										
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (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%)	0/48 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/48 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/1396 (0%)	Mean 0%	SD 0%	Total	1/1347 (0.07%)	Mean 0.07%	SD 0.38%		

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(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%)	0/48	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/48	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	1/1396	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1347	(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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.39%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/50	(0%)					
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<b>#Esophagus:</b>														
<b>Lipoma</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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	0/1398	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%

\*: Denominator 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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**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<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%)	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%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female			
<b>*Heart:</b>									
<b>Schwannoma Benign</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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				1/50 (2%)			
<b>Overall Incidence</b>	Total	3/1398 (0.21%)	Mean 0.22%	SD 0.84%	Total	4/1350 (0.3%)	Mean 0.3%	SD 0.72%	

<b>*Heart:</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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (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	4/1398 (0.29%)	Mean 0.29%	SD 0.71%	Total	4/1350 (0.3%)	Mean 0.3%	SD 0.72%	

<b>#Intestine Large: Colon/Rectum:</b>									
<b>Adenoma</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%)
		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%)	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%)	0/50 (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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	Total	3/1350 (0.22%)	Mean 0.22%	SD 0.64%	

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



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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			
.....											
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</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%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	3/1398 (0.21%)	Mean 0.21%	SD 0.63%	Total	4/1350 (0.3%)	Mean 0.3%	SD 0.72%			
.....											
<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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female			
<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%)
		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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.53%	
.....									
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<b>#Intestine Small: Jejunum:</b>														
<b>Granular Cell Tumor 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%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(0%)	Mean	0%	SD	0%
.....														
<b>#Intestine Small: Jejunum:</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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<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%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (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%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%			
.....											
<b>#Intestine Small: Site Unspecified: Granular Cell Tumor 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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	2/1398	(0.14%)	Mean	0.14%	SD	0.52%	Total	2/1350	(0.15%)	Mean	0.15%	SD	0.53%
.....														
<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%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<b>*Islets, Pancreatic: Adenoma</b>														
		4/50	(8%)	3/50	(6%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
		1/50	(2%)	1/49	(2%)	1/50	(2%)	2/49	(4%)	1/50	(2%)			
		6/50	(12%)	6/50	(12%)	5/50	(10%)	0/50	(0%)	2/50	(4%)			
		2/50	(4%)	0/50	(0%)	7/50	(14%)	1/50	(2%)	1/50	(2%)			
		2/50	(4%)	4/50	(8%)	4/49	(8%)	0/50	(0%)	0/50	(0%)			
		3/50	(6%)	4/50	(8%)	3/50	(6%)	0/50	(0%)	2/49	(4%)			
		3/50	(6%)	3/50	(6%)	2/50	(4%)	3/50	(6%)	0/48	(0%)			
		4/49	(8%)	2/50	(4%)	4/50	(8%)	1/50	(2%)	1/50	(2%)			
		3/50	(6%)	3/50	(6%)	5/48	(10%)	0/50	(0%)	3/49	(6%)			
		5/49	(10%)					1/50	(2%)	0/47	(0%)			
<b>Overall Incidence</b>	Total	90/1394	(6.46%)	Mean	6.46%	SD	3.57%	Total	23/1340	(1.72%)	Mean	1.71%	SD	1.92%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female				
<b>*Islets, Pancreatic: Carcinoma</b>										
		0/50 (0%)	0/50 (0%)	3/50 (6%)		1/50 (2%)	1/50 (2%)	1/50 (2%)		
		1/50 (2%)	1/49 (2%)	2/50 (4%)		0/49 (0%)		1/50 (2%)		
		0/50 (0%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)
		2/50 (4%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
		4/50 (8%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)
		5/49 (10%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
		1/50 (2%)	2/50 (4%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	0/47 (0%)		0/47 (0%)
		1/49 (2%)				0/50 (0%)				
<b>Overall Incidence</b>	Total	29/1394 (2.08%)	Mean 2.08%	SD 2.6%	Total	4/1340 (0.3%)	Mean 0.3%	SD 0.72%		
.....										
<b>*Islets, Pancreatic: Carcinoma or Adenoma</b>										
		4/50 (8%)	3/50 (6%)	3/50 (6%)		2/50 (4%)	1/50 (2%)	1/50 (2%)		
		2/50 (4%)	2/49 (4%)	3/50 (6%)		2/49 (4%)		2/50 (4%)		2/50 (4%)
		6/50 (12%)	7/50 (14%)	7/50 (14%)		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)
		3/50 (6%)	0/50 (0%)	7/50 (14%)		1/50 (2%)	1/50 (2%)	0/49 (0%)		0/49 (0%)
		4/50 (8%)	4/50 (8%)	4/49 (8%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)
		7/50 (14%)	4/50 (8%)	3/50 (6%)		0/50 (0%)	2/49 (4%)	0/49 (0%)		0/49 (0%)
		4/50 (8%)	4/50 (8%)	3/50 (6%)		3/50 (6%)	0/48 (0%)	1/50 (2%)		1/50 (2%)
		9/49 (18%)	2/50 (4%)	4/50 (8%)		1/50 (2%)	1/50 (2%)	2/50 (4%)		2/50 (4%)
		4/50 (8%)	5/50 (10%)	5/48 (10%)		0/50 (0%)	3/49 (6%)	0/47 (0%)		0/47 (0%)
		6/49 (12%)				1/50 (2%)				
<b>Overall Incidence</b>	Total	119/1394 (8.54%)	Mean 8.55%	SD 3.96%	Total	27/1340 (2.01%)	Mean 2.01%	SD 1.94%		
.....										
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma</b>										
		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%)		0/47 (0%)		0/50 (0%)		0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/49 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)
		0/49 (0%)				0/50 (0%)				
<b>Overall Incidence</b>	Total	2/1393 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1340 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<b>*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma</b>											
		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%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/49 (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	2/1393 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1340 (0%)	Mean 0%	SD 0%			
.....											
<b>*Kidney: Pelvis and Transitional Epithelium: Papilloma</b>											
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/48 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/49 (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	1/1393 (0.07%)	Mean 0.07%	SD 0.38%	Total	1/1340 (0.07%)	Mean 0.08%	SD 0.4%			
.....											
<b>*Kidney: Renal Tubule: Adenoma</b>											
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	7/1393 (0.5%)	Mean 0.5%	SD 0.88%	Total	1/1340 (0.07%)	Mean 0.07%	SD 0.38%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<b>*Kidney: Renal Tubule: Carcinoma</b>											
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	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	2/1393 (0.14%)	Mean 0.14%	SD 0.52%	Total	1/1340 (0.07%)	Mean 0.08%	SD 0.39%			
.....											
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>											
		0/49 (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%)	2/50 (4%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	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	9/1393 (0.65%)	Mean 0.64%	SD 1.23%	Total	2/1340 (0.15%)	Mean 0.15%	SD 0.54%			
.....											
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>											
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	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	1/1393 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1340 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<b>*Kidney: Renal Tubule: Lipoma</b>											
		0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)			0/50 (0%)						
<b>Overall Incidence</b>	Total	3/1393 (0.22%)	Mean 0.21%	SD 0.63%	Total	0/1340 (0%)	Mean 0%	SD 0%			

<b>*Kidney: Renal Tubule: Mesenchymal Tumor Benign</b>											
		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%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)			0/50 (0%)						
<b>Overall Incidence</b>	Total	1/1393 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1340 (0%)	Mean 0%	SD 0%			

<b>*Kidney: Renal Tubule: Nephroblastoma</b>											
		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%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)			0/50 (0%)						
<b>Overall Incidence</b>	Total	0/1393 (0%)	Mean 0%	SD 0%	Total	1/1340 (0.07%)	Mean 0.07%	SD 0.38%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<b>*Kidney: Renal Tubule: Sarcoma</b>											
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)		0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	1/48 (2%)	1/48 (2%)	0/50 (0%)	0/50 (0%)	0/48 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)			
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/49 (0%)				0/50 (0%)		0/50 (0%)			
<b>Overall Incidence</b>	Total	1/1393 (0.07%)	Mean 0.07%	SD 0.39%		Total	2/1340 (0.15%)	Mean 0.15%	SD 0.54%		
.....											
<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%)		
		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%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%		Total	0/1350 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%		Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>*Liver:</b>											
<b>Hepatocellular Adenoma</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%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	6/50 (12%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	1/50 (2%)	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%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)					
<b>Overall Incidence</b>	Total	16/1398 (1.14%)	Mean 1.14%	SD 1.58%	Total	17/1350 (1.26%)	Mean 1.26%	SD 2.61%			
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma</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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	5/1398 (0.36%)	Mean 0.36%	SD 0.95%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			
.....											
<b>*Liver:</b>											
<b>Hepatocellular Carcinoma or Hepatoblastoma</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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	5/1398 (0.36%)	Mean 0.36%	SD 0.95%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		2/50 (4%)	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%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	6/50 (12%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	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%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	21/1398 (1.5%)	Mean 1.5%	SD 1.6%	Total	18/1350 (1.33%)	Mean 1.33%	SD 2.6%	

<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	6/50 (12%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	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%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	21/1398 (1.5%)	Mean 1.5%	SD 1.6%	Total	18/1350 (1.33%)	Mean 1.33%	SD 2.6%	

<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		0/50 (0%)	4/50 (8%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	1/50 (2%)	4/50 (8%)	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%)	3/50 (6%)	2/49 (4%)	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%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	4/50 (8%)		
		1/49 (2%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	2/50 (4%)	4/50 (8%)		
		0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)		
		3/50 (6%)			1/50 (2%)				
<b>Overall Incidence</b>	Total	32/1398 (2.29%)	Mean 2.29%	SD 2.6%	Total	24/1350 (1.78%)	Mean 1.78%	SD 2.5%	

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Carcinoma</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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)			
		1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)			0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
<b>Overall Incidence</b>	Total	14/1398 (1%)	Mean 1%	SD 1.02%	Total	7/1350 (0.52%)	Mean 0.52%	SD 0.89%			
.....											
<b>*Lung:</b>											
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>											
		0/50 (0%)	5/50 (10%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/50 (4%)				
		0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)				
		2/50 (4%)	1/50 (2%)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	4/50 (8%)	2/49 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	4/50 (8%)	4/50 (8%)	4/50 (8%)	
		1/49 (2%)	1/50 (2%)	4/50 (8%)	1/50 (2%)	2/50 (4%)	4/50 (8%)	4/50 (8%)	4/50 (8%)	4/50 (8%)	
		1/50 (2%)	3/50 (6%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	
		4/50 (8%)			1/50 (2%)						
<b>Overall Incidence</b>	Total	45/1398 (3.22%)	Mean 3.22%	SD 2.85%	Total	30/1350 (2.22%)	Mean 2.22%	SD 2.5%			
.....											
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (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%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	0/1398 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>*Lung:</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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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>	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	<b>Total</b>	0/1350 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	<b>Total</b>	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	<b>Total</b>	0/1350 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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>	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	<b>Total</b>	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>#Lymph Node:</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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	0/1398 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			
.....											
<b>#Mammary 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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/49 (4%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	4/1398 (0.29%)	Mean 0.29%	SD 0.91%	Total	20/1350 (1.48%)	Mean 1.48%	SD 1.89%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>#Mammary Gland: Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	4/50 (8%)		
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	10/50 (20%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	4/50 (8%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	9/50 (18%)	4/50 (8%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	4/50 (8%)	1/50 (2%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)	5/50 (10%)	1/50 (2%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	4/50 (8%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	1/50 (2%)	7/50 (14%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)	1/50 (2%)	3/50 (6%)		
		1/50 (2%)			2/50 (4%)				
<b>Overall Incidence</b>	Total	7/1398 (0.5%)	Mean 0.5%	SD 1.17%	Total	74/1350 (5.48%)	Mean 5.48%	SD 5.31%	
.....									
<b>#Mammary Gland: Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	1/50 (2%)	4/50 (8%)		
		0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	10/50 (20%)	10/50 (20%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	4/50 (8%)	4/50 (8%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	6/50 (12%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)	2/50 (4%)	4/50 (8%)	3/50 (6%)		
		2/50 (4%)	0/50 (0%)	0/50 (0%)	5/50 (10%)	2/50 (4%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	4/50 (8%)	0/50 (0%)		
		2/49 (4%)	0/50 (0%)	1/50 (2%)	10/50 (20%)	2/50 (4%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)	1/50 (2%)	3/50 (6%)		
		1/50 (2%)			2/50 (4%)				
<b>Overall Incidence</b>	Total	11/1398 (0.79%)	Mean 0.79%	SD 1.38%	Total	94/1350 (6.96%)	Mean 6.96%	SD 5.36%	
.....									
<b>#Mammary Gland: Fibroadenoma</b>									
		2/50 (4%)	3/50 (6%)	2/50 (4%)	35/50 (70%)	16/50 (32%)	25/50 (50%)		
		2/50 (4%)	0/50 (0%)	0/50 (0%)	29/50 (58%)		24/50 (48%)		
		1/50 (2%)	2/50 (4%)	0/50 (0%)	14/50 (28%)	27/50 (54%)	12/50 (24%)		
		2/50 (4%)	2/50 (4%)	1/50 (2%)	33/50 (66%)	32/50 (64%)	30/50 (60%)		
		1/50 (2%)	4/50 (8%)	0/49 (0%)	29/50 (58%)	26/50 (52%)	24/50 (48%)		
		2/50 (4%)	2/50 (4%)	3/50 (6%)	22/50 (44%)	28/50 (56%)	24/50 (48%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	22/50 (44%)	28/50 (56%)	17/50 (34%)		
		1/49 (2%)	1/50 (2%)	2/50 (4%)	26/50 (52%)	21/50 (42%)	37/50 (74%)		
		1/50 (2%)	3/50 (6%)	4/50 (8%)	14/50 (28%)	43/50 (86%)	32/50 (64%)		
		6/50 (12%)			31/50 (62%)				
<b>Overall Incidence</b>	Total	48/1398 (3.43%)	Mean 3.43%	SD 2.87%	Total	701/1350 (51.93%)	Mean 51.93%	SD 14.75%	

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



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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>#Mammary Gland:</b>									
<b>Fibroma</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%)	0/50 (0%)	0/50 (0%)
		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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		3/50 (6%)	3/50 (6%)	2/50 (4%)	36/50 (72%)	16/50 (32%)	25/50 (50%)		
		2/50 (4%)	1/50 (2%)	0/50 (0%)	30/50 (60%)	24/50 (48%)	24/50 (48%)		
		1/50 (2%)	2/50 (4%)	0/50 (0%)	15/50 (30%)	27/50 (54%)	12/50 (24%)		
		4/50 (8%)	2/50 (4%)	1/50 (2%)	33/50 (66%)	33/50 (66%)	30/50 (60%)		
		1/50 (2%)	4/50 (8%)	0/49 (0%)	30/50 (60%)	26/50 (52%)	25/50 (50%)		
		2/50 (4%)	2/50 (4%)	3/50 (6%)	22/50 (44%)	29/50 (58%)	24/50 (48%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	22/50 (44%)	28/50 (56%)	17/50 (34%)		
		3/49 (6%)	1/50 (2%)	2/50 (4%)	28/50 (56%)	22/50 (44%)	37/50 (74%)		
		1/50 (2%)	3/50 (6%)	4/50 (8%)	14/50 (28%)	43/50 (86%)	32/50 (64%)		
		6/50 (12%)			31/50 (62%)				
<b>Overall Incidence</b>	Total	54/1398 (3.86%)	Mean 3.86%	SD 2.98%	Total	711/1350 (52.67%)	Mean 52.67%	SD 14.84%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		3/50 (6%)	3/50 (6%)	2/50 (4%)	37/50 (74%)	17/50 (34%)	27/50 (54%)		
		2/50 (4%)	1/50 (2%)	2/50 (4%)	30/50 (60%)	31/50 (62%)	31/50 (62%)		
		1/50 (2%)	2/50 (4%)	0/50 (0%)	17/50 (34%)	30/50 (60%)	14/50 (28%)		
		4/50 (8%)	2/50 (4%)	1/50 (2%)	35/50 (70%)	33/50 (66%)	31/50 (62%)		
		1/50 (2%)	4/50 (8%)	0/49 (0%)	30/50 (60%)	28/50 (56%)	26/50 (52%)		
		4/50 (8%)	2/50 (4%)	3/50 (6%)	26/50 (52%)	30/50 (60%)	25/50 (50%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	24/50 (48%)	28/50 (56%)	17/50 (34%)		
		3/49 (6%)	1/50 (2%)	3/50 (6%)	31/50 (62%)	22/50 (44%)	37/50 (74%)		
		1/50 (2%)	3/50 (6%)	5/50 (10%)	16/50 (32%)	43/50 (86%)	32/50 (64%)		
		6/50 (12%)			31/50 (62%)				
<b>Overall Incidence</b>	Total	60/1398 (4.29%)	Mean 4.29%	SD 3.12%	Total	748/1350 (55.41%)	Mean 55.41%	SD 14.14%	

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<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%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean 0%	SD 0%	Total	1/1350	(0.07%)	Mean 0.07%	SD 0.38%	
.....											
<b>#Mesentery:</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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/1398	(0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350	(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%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)			0/50	(0%)							
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(0%)	Mean	0%	SD	0%
.....														
<b>*Nose:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(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>	Total	0/1395	(0%)	Mean	0%	SD	0%	Total	1/1346	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<b>*Nose:</b>														
<b>Chondroma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(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	0/1395	(0%)	Mean	0%	SD	0%	Total	1/1346	(0.07%)	Mean	0.07%	SD	0.38%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female								
<b>*Nose:</b>														
<b>Squamous Cell Carcinoma</b>														
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	0/49	(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%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
	0/49	(0%)	1/50	(2%)	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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	2/1395	(0.14%)	Mean	0.14%	SD	0.52%	Total	0/1346	(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%)	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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)		
	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
	0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	6/1398	(0.43%)	Mean	0.43%	SD	0.84%	Total	8/1350	(0.59%)	Mean	0.59%	SD	1.08%
.....														
<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%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	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%)	1/50	(2%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	5/1398	(0.36%)	Mean	0.36%	SD	0.78%	Total	5/1350	(0.37%)	Mean	0.37%	SD	0.79%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
		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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	11/1398 (0.79%)	Mean 0.79%	SD 1.14%		Total	13/1350 (0.96%)	Mean 0.96%	SD 1.51%		
.....											
<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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	5/1398 (0.36%)	Mean 0.36%	SD 0.78%		Total	4/1350 (0.3%)	Mean 0.3%	SD 0.72%		
.....											
<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%)	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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	2/1398 (0.14%)	Mean 0.14%	SD 0.53%		Total	2/1350 (0.15%)	Mean 0.15%	SD 0.53%		

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route:** ALL ROUTES  
**Vehicle:** ALL VEHICLES

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

	Male		Female			
<hr/>						
<b>*Ovary:</b>						
<b>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%)	0/50 (0%)	
		0/49 (0%)		0/50 (0%)	1/50 (2%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/49 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>			Total	1/1348 (0.07%)	Mean 0.07%	SD 0.38%
<hr/>						
<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%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/49 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	1/50 (2%)	
		0/50 (0%)		0/50 (0%)	0/49 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>			Total	1/1348 (0.07%)	Mean 0.07%	SD 0.38%
<hr/>						
<b>*Ovary:</b>						
<b>Granulosa Cell Tumor 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%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/49 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%)		2/50 (4%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/49 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>			Total	4/1348 (0.3%)	Mean 0.3%	SD 0.91%

\*: 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: ALL ROUTES**  
**Vehicle: ALL VEHICLES**

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	Male		Female			
<b>*Ovary:</b>						
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</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%)
	0/49	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)	2/50	(4%)	1/50	(2%)
	0/50	(0%)	0/50	(0%)	0/49	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)				
<b>Overall Incidence</b>	Total 5/1348 (0.37%)		Mean 0.37%		SD 0.97%	
.....						
<b>*Ovary:</b>						
<b>Granulosa-Theca Tumor Benign</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%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/49	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/49	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)				
<b>Overall Incidence</b>	Total 2/1348 (0.15%)		Mean 0.15%		SD 0.53%	
.....						
<b>*Ovary:</b>						
<b>Granulosa-Theca Tumor Malignant</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%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/49	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/49	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)				
<b>Overall Incidence</b>	Total 2/1348 (0.15%)		Mean 0.15%		SD 0.77%	

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>*Ovary:</b>									
<b>Tubulostromal 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%)	
						0/49 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)	0/50 (0%)	0/49 (0%)	
						0/50 (0%)	0/50 (0%)	0/50 (0%)	
						0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>					Total	1/1348 (0.07%)	Mean 0.07%	SD 0.38%	
-----									
<b>*Pancreas:</b>									
<b>Adenoma</b>									
		3/50 (6%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)		0/50 (0%)	
		0/50 (0%)	0/49 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		1/50 (2%)	7/50 (14%)	1/49 (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%)	0/49 (0%)	
		0/50 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/48 (0%)	0/50 (0%)	
		0/49 (0%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	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	25/1392 (1.8%)	Mean 1.79%	SD 3.05%	Total	1/1341 (0.07%)	Mean 0.08%	SD 0.39%	
-----									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		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%)		0/49 (0%)		0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/47 (0%)	
		0/49 (0%)				0/50 (0%)			
<b>Overall Incidence</b>	Total	1/1392 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1341 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>*Pancreas:</b>											
<b>  Carcinoma or Adenoma</b>											
		3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	8/50 (16%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
		1/49 (2%)			0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	26/1392 (1.87%)	Mean 1.86%	SD 3.35%	<b>Total</b>	1/1341 (0.07%)	Mean 0.08%	SD 0.39%			
.....											
<b>*Pancreas:</b>											
<b>  Mixed 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%)	0/50 (0%)
		0/49 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
		0/49 (0%)			0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	3/1392 (0.22%)	Mean 0.22%	SD 0.85%	<b>Total</b>	0/1341 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
		0/49 (0%)			0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	<b>Total</b>	1/1392 (0.07%)	Mean 0.07%	SD 0.38%	<b>Total</b>	0/1341 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>*Parathyroid Gland:</b>											
<b>Adenoma</b>											
		0/48 (0%)	0/49 (0%)	0/46 (0%)	0/49 (0%)	0/43 (0%)	0/47 (0%)				
		1/45 (2%)	1/46 (2%)	0/45 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)				
		0/49 (0%)	0/48 (0%)	0/49 (0%)	0/46 (0%)	1/43 (2%)	0/45 (0%)				
		0/48 (0%)	0/50 (0%)	0/49 (0%)	0/46 (0%)	0/48 (0%)	0/49 (0%)				
		0/49 (0%)	0/47 (0%)	1/49 (2%)	0/48 (0%)	0/47 (0%)	0/44 (0%)				
		0/49 (0%)	0/50 (0%)	1/48 (2%)	0/46 (0%)	0/47 (0%)	0/50 (0%)				
		0/47 (0%)	0/50 (0%)	1/45 (2%)	0/43 (0%)	0/49 (0%)	0/47 (0%)				
		0/47 (0%)	1/49 (2%)	0/46 (0%)	0/49 (0%)	2/46 (4%)	0/46 (0%)				
		0/48 (0%)	0/44 (0%)	0/50 (0%)	0/49 (0%)	0/42 (0%)	0/50 (0%)				
		1/46 (2%)			0/42 (0%)						
<b>Overall Incidence</b>	Total	7/1336 (0.52%)	Mean 0.53%	SD 0.94%	Total	3/1258 (0.24%)	Mean 0.25%	SD 0.93%			
.....											
<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%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
		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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
		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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		19/50 (38%)	35/49 (71%)	37/50 (74%)		19/50 (38%)	22/50 (44%)	35/50 (70%)	
		10/50 (20%)	20/50 (40%)	36/50 (72%)		24/49 (49%)		35/50 (70%)	
		32/50 (64%)	31/50 (62%)	29/50 (58%)		35/50 (70%)	29/50 (58%)	33/50 (66%)	
		11/50 (22%)	20/50 (40%)	8/50 (16%)		22/50 (44%)	16/50 (32%)	25/50 (50%)	
		15/50 (30%)	19/50 (38%)	21/49 (43%)		24/50 (48%)	25/50 (50%)	29/50 (58%)	
		35/50 (70%)	25/50 (50%)	16/49 (33%)		24/49 (49%)	36/50 (72%)	29/48 (60%)	
		34/49 (69%)	13/50 (26%)	6/50 (12%)		35/50 (70%)	20/50 (40%)	25/50 (50%)	
		36/49 (73%)	11/50 (22%)	16/50 (32%)		30/50 (60%)	27/50 (54%)	28/50 (56%)	
		36/50 (72%)	23/48 (48%)	23/50 (46%)		36/49 (73%)	28/50 (56%)	26/50 (52%)	
		24/50 (48%)				27/49 (55%)			
<b>Overall Incidence</b>	Total	641/1393 (46.02%)	Mean 46.06%	SD 19.75%	Total	744/1344 (55.36%)	Mean 55.37%	SD 11.12%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</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%)	0/50 (0%)		1/49 (2%)		1/50 (2%)	
		0/50 (0%)	0/50 (0%)	5/50 (10%)		0/50 (0%)	2/50 (4%)	3/50 (6%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/48 (0%)	
		0/49 (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%)	2/50 (4%)	
		1/50 (2%)	0/48 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/49 (0%)			
<b>Overall Incidence</b>	Total	6/1393 (0.43%)	Mean 0.43%	SD 1.91%	Total	14/1344 (1.04%)	Mean 1.04%	SD 1.7%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		19/50 (38%)	35/49 (71%)	37/50 (74%)		19/50 (38%)	22/50 (44%)	35/50 (70%)	
		10/50 (20%)	20/50 (40%)	36/50 (72%)		25/49 (51%)		36/50 (72%)	
		32/50 (64%)	31/50 (62%)	34/50 (68%)		35/50 (70%)	31/50 (62%)	36/50 (72%)	
		11/50 (22%)	20/50 (40%)	8/50 (16%)		24/50 (48%)	16/50 (32%)	25/50 (50%)	
		15/50 (30%)	19/50 (38%)	21/49 (43%)		25/50 (50%)	25/50 (50%)	30/50 (60%)	
		35/50 (70%)	25/50 (50%)	16/49 (33%)		24/49 (49%)	36/50 (72%)	29/48 (60%)	
		34/49 (69%)	13/50 (26%)	6/50 (12%)		35/50 (70%)	21/50 (42%)	25/50 (50%)	
		36/49 (73%)	11/50 (22%)	16/50 (32%)		30/50 (60%)	27/50 (54%)	30/50 (60%)	
		37/50 (74%)	23/48 (48%)	23/50 (46%)		36/49 (73%)	28/50 (56%)	26/50 (52%)	
		24/50 (48%)				27/49 (55%)			
<b>Overall Incidence</b>	Total	647/1393 (46.45%)	Mean 46.49%	SD 20.16%	Total	758/1344 (56.4%)	Mean 56.41%	SD 11.27%	

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female								
<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%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)			
		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%)	0/48	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)					0/49	(0%)					
<b>Overall Incidence</b>	Total	1/1393	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1344	(0%)	Mean	0%	SD	0%

<b>*Pituitary Gland: Pars Intermedia:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/49	(0%)	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%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	0/48	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/48	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)					0/49	(0%)					
<b>Overall Incidence</b>	Total	5/1393	(0.36%)	Mean	0.36%	SD	0.95%	Total	2/1344	(0.15%)	Mean	0.15%	SD	0.53%

<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%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	0/48	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/48	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)					0/49	(0%)					
<b>Overall Incidence</b>	Total	1/1393	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1344	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma or Adenoma</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%)
		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%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/48 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)			0/49 (0%)				
<b>Overall Incidence</b>	Total	6/1393 (0.43%)	Mean 0.43%	SD 1.26%	Total	2/1344 (0.15%)	Mean 0.15%	SD 0.53%	
.....									
<b>*Prostate:</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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)							
<b>Overall Incidence</b>	Total	6/1397 (0.43%)	Mean 0.43%	SD 1%					
.....									
<b>*Prostate:</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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)							
<b>Overall Incidence</b>	Total	6/1397 (0.43%)	Mean 0.43%	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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<b>*Salivary Glands:</b>														
<b>Sarcoma</b>														
		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%)	1/49	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	2/1394	(0.14%)	Mean	0.14%	SD	0.53%	Total	0/1349	(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%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	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	1/1398	(0.07%)	Mean	0.07%	SD	0.38%							
.....														
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.39%	Total	0/1350	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%		
.....										
<b>#Skeletal Muscle: Hemangiosarcoma</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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (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%)
		0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.53%	
.....									
<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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (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%)
		0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.53%	
.....									
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	2/1398 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		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%)				
	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%)				
	1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)				
	1/50	(2%)	0/50	(0%)	2/49	(4%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)				
	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)				
	1/49	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)				
	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	2/50	(4%)					0/50	(0%)						
<b>Overall Incidence</b>	Total	15/1398	(1.07%)	Mean	1.08%	SD	1.39%	Total	3/1350	(0.22%)	Mean	0.22%	SD	0.64%
.....														
<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%)				
	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%)				
	1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	1/50	(2%)				
	1/50	(2%)	0/50	(0%)	2/49	(4%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)				
	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)				
	1/49	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)				
	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	2/50	(4%)					0/50	(0%)						
<b>Overall Incidence</b>	Total	15/1398	(1.07%)	Mean	1.08%	SD	1.39%	Total	3/1350	(0.22%)	Mean	0.22%	SD	0.64%
.....														
<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%)				
	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%)				
	1/50	(2%)	1/50	(2%)	0/50	(0%)	2/50	(4%)	1/50	(2%)				
	1/50	(2%)	0/50	(0%)	2/49	(4%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	1/50	(2%)				
	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)				
	1/49	(2%)	0/50	(0%)	2/50	(4%)	1/50	(2%)	0/50	(0%)				
	1/50	(2%)	3/50	(6%)	1/50	(2%)	0/50	(0%)	0/50	(0%)				
	2/50	(4%)					0/50	(0%)						
<b>Overall Incidence</b>	Total	20/1398	(1.43%)	Mean	1.43%	SD	1.63%	Total	8/1350	(0.59%)	Mean	0.59%	SD	1.08%

\*: 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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>#Skin:</b>											
<b>Basal 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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	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%)
		2/50 (4%)				0/50 (0%)					
<b>Overall Incidence</b>	Total	11/1398 (0.79%)	Mean 0.79%	SD 1.47%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			

<b>#Skin:</b>											
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or 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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	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%)
		2/50 (4%)				0/50 (0%)					
<b>Overall Incidence</b>	Total	11/1398 (0.79%)	Mean 0.79%	SD 1.47%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			

<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%)	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%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)	2/49 (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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		1/49 (2%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		4/50 (8%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		4/50 (8%)				0/50 (0%)					
<b>Overall Incidence</b>	Total	31/1398 (2.22%)	Mean 2.22%	SD 2.2%	Total	9/1350 (0.67%)	Mean 0.67%	SD 1.24%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		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%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	4/50 (8%)	1/50 (2%)	5/50 (10%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	2/50 (4%)	1/50 (2%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	10/50 (20%)	2/50 (4%)	2/50 (4%)	4/50 (8%)	3/50 (6%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	4/50 (8%)	8/50 (16%)	2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	7/50 (14%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
	2/50 (4%)	6/50 (12%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	5/49 (10%)	3/50 (6%)	5/50 (10%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	5/50 (10%)	6/50 (12%)	7/50 (14%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	11/50 (22%)			0/50 (0%)	0/50 (0%)				
<b>Overall Incidence</b>	Total 116/1398 (8.3%)	Mean 8.3%	SD 5.46%	Total 24/1350 (1.78%)	Mean 1.78%	SD 2.1%			

<b>#Skin:</b>									
<b>Fibroma</b>									
	5/50 (10%)	1/50 (2%)	3/50 (6%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
	4/50 (8%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	7/50 (14%)	1/50 (2%)	5/50 (10%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	6/50 (12%)	2/50 (4%)	5/50 (10%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	5/50 (10%)	5/50 (10%)	7/49 (14%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	4/50 (8%)	6/50 (12%)	8/50 (16%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	4/50 (8%)	3/50 (6%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
	3/49 (6%)	3/50 (6%)	8/50 (16%)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	3/50 (6%)	7/50 (14%)	5/50 (10%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	8/50 (16%)			0/50 (0%)	0/50 (0%)				
<b>Overall Incidence</b>	Total 125/1398 (8.94%)	Mean 8.94%	SD 4.24%	Total 25/1350 (1.85%)	Mean 1.85%	SD 1.75%			

<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
	6/50 (12%)	3/50 (6%)	3/50 (6%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
	4/50 (8%)	4/50 (8%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	8/50 (16%)	2/50 (4%)	5/50 (10%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	7/50 (14%)	3/50 (6%)	5/50 (10%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
	6/50 (12%)	7/50 (14%)	7/49 (14%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	5/50 (10%)	8/50 (16%)	8/50 (16%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	5/50 (10%)	4/50 (8%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
	4/49 (8%)	3/50 (6%)	11/50 (22%)	2/50 (4%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	6/50 (12%)	8/50 (16%)	6/50 (12%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
	9/50 (18%)			1/50 (2%)					
<b>Overall Incidence</b>	Total 154/1398 (11.02%)	Mean 11.02%	SD 4.41%	Total 32/1350 (2.37%)	Mean 2.37%	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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female					
<b>#Skin:</b>											
<b>Fibrosarcoma</b>											
		1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
		1/49 (2%)	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%)
		3/50 (6%)	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%)					
<b>Overall Incidence</b>	Total	18/1398 (1.29%)	Mean 1.29%	SD 1.82%	Total	5/1350 (0.37%)	Mean 0.37%	SD 0.79%			
.....											
<b>#Skin:</b>											
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>											
		1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	3/50 (6%)	0/50 (0%)	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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)				1/50 (2%)					
<b>Overall Incidence</b>	Total	30/1398 (2.15%)	Mean 2.14%	SD 1.96%	Total	8/1350 (0.59%)	Mean 0.59%	SD 1.08%			
.....											
<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%)	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%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)					
<b>Overall Incidence</b>	Total	5/1398 (0.36%)	Mean 0.36%	SD 0.78%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)			0/50	(0%)			0/50	(0%)			
<b>Overall Incidence</b>	Total	2/1398	(0.14%)	Mean	0.14%	SD	0.52%	Total	0/1350	(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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)			0/50	(0%)			0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<b>#Skin:</b>														
<b>Keratoacanthoma</b>														
		3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		3/50	(6%)	1/50	(2%)	4/50	(8%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		2/50	(4%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	
		8/50	(16%)	0/50	(0%)	2/50	(4%)	2/50	(4%)	2/50	(4%)	0/50	(0%)	
		2/50	(4%)	7/50	(14%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	3/50	(6%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	4/50	(8%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		4/49	(8%)	3/50	(6%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		1/50	(2%)	1/50	(2%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		6/50	(12%)					0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	66/1398	(4.72%)	Mean	4.72%	SD	4.23%	Total	8/1350	(0.59%)	Mean	0.59%	SD	1.22%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female			
<b>#Skin:</b>									
<b>Lipoma</b>									
		1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)				
<b>Overall Incidence</b>	Total	14/1398 (1%)	Mean 1%	SD 1.4%	Total	0/1350 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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	2/1398 (0.14%)	Mean 0.14%	SD 0.53%	Total	0/1350 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	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	5/1398 (0.36%)	Mean 0.36%	SD 0.78%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.53%	

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(0%)	Mean	0%	SD	0%
.....														
<b>#Skin:</b>														
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</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%)			
		1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	0/50	(0%)	0/49	(0%)	1/50	(2%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		1/49	(2%)	3/50	(6%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	11/1398	(0.79%)	Mean	0.79%	SD	1.48%	Total	3/1350	(0.22%)	Mean	0.22%	SD	0.85%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	12/1398 (0.86%)	Mean 0.86%	SD 1.58%	Total	3/1350 (0.22%)	Mean 0.22%	SD 0.85%	
.....									
<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%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	7/1398 (0.5%)	Mean 0.5%	SD 1.04%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.77%	
.....									
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>#Skin:</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%)
		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%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	11/1398 (0.79%)	Mean 0.79%	SD 1.48%	Total	3/1350 (0.22%)	Mean 0.22%	SD 0.85%	
.....									
<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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (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%)
		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%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50 (0%)		0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	8/1398 (0.57%)	Mean 0.57%	SD 0.92%	Total	3/1350 (0.22%)	Mean 0.22%	SD 0.64%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>									
		1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)		0/50 (0%)		0/50 (0%)		0/50 (0%)	
<b>Overall Incidence</b>	Total	18/1398 (1.29%)	Mean 1.29%	SD 1.56%	Total	4/1350 (0.3%)	Mean 0.3%	SD 0.72%	

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>#Skin:</b>											
<b>Squamous Cell 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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	4/50 (8%)	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%)	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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	3/50 (6%)	2/50 (4%)	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	15/1398 (1.07%)	Mean 1.07%	SD 2%	Total	5/1350 (0.37%)	Mean 0.37%	SD 0.79%			
.....											
<b>#Skin:</b>											
<b>Squamous Cell Papilloma 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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	4/50 (8%)	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%)	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%)	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%)	3/50 (6%)	2/50 (4%)	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	15/1398 (1.07%)	Mean 1.07%	SD 2%	Total	5/1350 (0.37%)	Mean 0.37%	SD 0.79%			
.....											
<b>#Skin:</b>											
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>											
		4/50 (8%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		3/50 (6%)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		9/50 (18%)	1/50 (2%)	2/50 (4%)	2/50 (4%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	7/50 (14%)	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%)	7/50 (14%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		1/50 (2%)	6/50 (12%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		4/49 (8%)	3/50 (6%)	4/50 (8%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		1/50 (2%)	4/50 (8%)	6/50 (12%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		7/50 (14%)				0/50 (0%)					
<b>Overall Incidence</b>	Total	89/1398 (6.37%)	Mean 6.36%	SD 4.9%	Total	16/1350 (1.19%)	Mean 1.19%	SD 1.49%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>#Skin:</b>											
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>											
		4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)			
		3/50 (6%)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)			
		2/50 (4%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)			
		9/50 (18%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	3/50 (6%)	0/50 (0%)	0/50 (0%)			
		2/50 (4%)	7/50 (14%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	7/50 (14%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)			
		1/50 (2%)	5/50 (10%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		4/49 (8%)	3/50 (6%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)			
		1/50 (2%)	4/50 (8%)	5/50 (10%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)			
		7/50 (14%)			0/50 (0%)						
<b>Overall Incidence</b>	Total	81/1398 (5.79%)	Mean 5.79%	SD 5.03%	Total	13/1350 (0.96%)	Mean 0.96%	SD 1.51%			
.....											
<b>#Skin:</b>											
<b>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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	1/50 (2%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	3/50 (6%)	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	5/1398 (0.36%)	Mean 0.36%	SD 1.22%	Total	5/1350 (0.37%)	Mean 0.37%	SD 0.79%			
.....											
<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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)			
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)			0/50 (0%)						
<b>Overall Incidence</b>	Total	8/1398 (0.57%)	Mean 0.57%	SD 1.07%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%			
.....											
<b>#Skin: Sebaceous 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%)	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%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	9/1398 (0.64%)	Mean 0.64%	SD 1.1%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			
.....											
<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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	0/1398 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female			
<b>#Spinal Cord:</b>									
<b>Astrocytoma 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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/1398 (0.07%)	Mean 0.07%	SD 0.39%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%	
.....									
<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%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (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%)	0/49 (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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (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	1/1395 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1344 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)			0/50	(0%)	0/50	(0%)	0/47	(0%)			
<b>Overall Incidence</b>	Total	1/1395	(0.07%)	Mean	0.07%	SD	0.39%	Total	0/1344	(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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)			0/50	(0%)	0/50	(0%)	0/47	(0%)			
<b>Overall Incidence</b>	Total	1/1395	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1344	(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%)			
		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%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	2/50	(4%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)			0/50	(0%)	0/50	(0%)	0/47	(0%)			
<b>Overall Incidence</b>	Total	3/1395	(0.22%)	Mean	0.21%	SD	0.63%	Total	3/1344	(0.22%)	Mean	0.22%	SD	0.85%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<b>*Spleen:</b>														
<b>Leiomyosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)			
		1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)			
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/47	(0%)			
<b>Overall Incidence</b>	Total	3/1395	(0.22%)	Mean	0.21%	SD	0.63%	Total	0/1344	(0%)	Mean	0%	SD	0%
.....														
<b>*Spleen:</b>														
<b>Sarcoma</b>														
		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%)	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%)	0/50	(0%)	0/49	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/47	(0%)			
<b>Overall Incidence</b>	Total	1/1395	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1344	(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%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(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: ALL ROUTES  
 Vehicle: ALL VEHICLES

Page: 72  
 Report Date:04/29/2009

		Male				Female					
<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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	0/1398 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%			
.....											
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	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%)	1/50 (2%)	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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (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	3/1398 (0.21%)	Mean 0.21%	SD 0.63%	Total	5/1350 (0.37%)	Mean 0.37%	SD 0.79%			
.....											
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	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%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/1398 (0.21%)	Mean 0.21%	SD 0.63%	Total	4/1350 (0.3%)	Mean 0.3%	SD 0.72%			

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



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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

Page: 73  
 Report Date:04/29/2009

		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	0/1398 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%	

<b>*Testes:</b>									
<b>Adenoma</b>									
		42/50 (84%)	30/50 (60%)	34/50 (68%)					
		46/50 (92%)	49/50 (98%)	36/50 (72%)					
		37/50 (74%)	35/50 (70%)	36/50 (72%)					
		44/50 (88%)	45/50 (90%)	42/50 (84%)					
		48/50 (96%)	46/50 (92%)	37/49 (76%)					
		42/50 (84%)	41/50 (82%)	46/50 (92%)					
		33/50 (66%)	46/50 (92%)	47/50 (94%)					
		38/49 (78%)	46/50 (92%)	48/50 (96%)					
		29/50 (58%)	46/50 (92%)	41/50 (82%)					
		49/50 (98%)							
<b>Overall Incidence</b>	Total	1159/1398 (82.9%)	Mean 82.9%	SD 11.74%					

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

Page: 74  
 Report Date:04/29/2009

		Male				Female					
<b>*Thymus:</b>											
<b>Sarcoma</b>											
		0/50 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/49 (0%)	0/46 (0%)	0/48 (0%)	0/50 (0%)	0/49 (0%)	0/46 (0%)
		0/48 (0%)	0/47 (0%)	0/49 (0%)	0/46 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/48 (0%)
		0/49 (0%)	0/44 (0%)	0/49 (0%)	0/45 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/48 (0%)	0/47 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/42 (0%)	0/41 (0%)	0/47 (0%)	0/50 (0%)	0/46 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/47 (0%)	0/50 (0%)	0/48 (0%)	0/44 (0%)	0/46 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/47 (0%)	0/49 (0%)	1/49 (2%)	0/48 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/43 (0%)			0/48 (0%)	0/48 (0%)					
<b>Overall Incidence</b>	Total	1/1327 (0.08%)	Mean 0.07%	SD 0.39%	Total	0/1302 (0%)	Mean 0%	SD 0%			
.....											
<b>*Thymus:</b>											
<b>Thymoma Benign</b>											
		0/50 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/49 (0%)	1/46 (2%)	0/48 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)
		0/48 (0%)	0/47 (0%)	0/49 (0%)	0/46 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/49 (0%)
		0/49 (0%)	0/44 (0%)	0/49 (0%)	0/45 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	1/48 (2%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	1/50 (2%)	0/47 (0%)	0/50 (0%)
		0/48 (0%)	0/47 (0%)	0/48 (0%)	1/48 (2%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/47 (0%)
		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/47 (0%)	1/50 (2%)	0/46 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/42 (0%)	0/41 (0%)	0/47 (0%)	0/46 (0%)	0/50 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		1/47 (2%)	0/50 (0%)	0/48 (0%)	0/44 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/47 (0%)	0/49 (0%)	1/49 (2%)	0/48 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/43 (0%)			0/48 (0%)	0/48 (0%)					
<b>Overall Incidence</b>	Total	3/1327 (0.23%)	Mean 0.22%	SD 0.66%	Total	4/1302 (0.31%)	Mean 0.31%	SD 0.75%			
.....											
<b>*Thymus:</b>											
<b>Thymoma Malignant</b>											
		0/50 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/49 (0%)	0/46 (0%)	0/48 (0%)	0/50 (0%)	0/49 (0%)	0/46 (0%)
		0/48 (0%)	0/47 (0%)	0/49 (0%)	0/46 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/48 (0%)
		0/49 (0%)	0/44 (0%)	0/49 (0%)	0/45 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/48 (0%)	0/47 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/46 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/42 (0%)	0/41 (0%)	0/47 (0%)	0/44 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/47 (0%)	0/50 (0%)	0/48 (0%)	0/46 (0%)	0/46 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/47 (0%)	0/49 (0%)	0/49 (0%)	0/44 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/43 (0%)			0/48 (0%)	0/48 (0%)					
<b>Overall Incidence</b>	Total	0/1327 (0%)	Mean 0%	SD 0%	Total	1/1302 (0.08%)	Mean 0.08%	SD 0.4%			

\*: 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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female				
<b>*Thymus:</b>										
<b>Thymoma NOS</b>										
		0/50 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/49 (0%)	0/46 (0%)	0/48 (0%)	0/50 (0%)	0/49 (0%)
		0/48 (0%)	0/47 (0%)	0/49 (0%)	0/46 (0%)	1/48 (2%)	0/48 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)
		0/49 (0%)	0/44 (0%)	0/49 (0%)	0/45 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/48 (0%)	0/47 (0%)	0/48 (0%)	0/47 (0%)	0/47 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/42 (0%)	0/41 (0%)	0/47 (0%)	0/46 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/47 (0%)	0/50 (0%)	0/48 (0%)	0/44 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/47 (0%)	0/49 (0%)	0/49 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	0/49 (0%)	0/48 (0%)	0/49 (0%)
		0/43 (0%)			0/48 (0%)					
<b>Overall Incidence</b>	Total	0/1327 (0%)	Mean 0%	SD 0%	Total	1/1302 (0.08%)	Mean 0.08%	SD 0.4%		
.....										
<b>*Thymus:</b>										
<b>Thymoma: Benign, Malignant, NOS</b>										
		0/50 (0%)	0/49 (0%)	0/43 (0%)	0/50 (0%)	0/49 (0%)	1/46 (2%)	0/48 (0%)	0/50 (0%)	0/49 (0%)
		0/48 (0%)	0/47 (0%)	0/49 (0%)	0/46 (0%)	1/48 (2%)	0/49 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)
		0/49 (0%)	0/44 (0%)	0/49 (0%)	0/45 (0%)	1/48 (2%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	1/48 (2%)	0/48 (0%)	1/48 (2%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/48 (0%)	0/47 (0%)	0/48 (0%)	1/48 (2%)	0/47 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	0/49 (0%)	0/48 (0%)	0/47 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
		0/42 (0%)	0/41 (0%)	0/47 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
		1/47 (2%)	0/50 (0%)	0/48 (0%)	0/46 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/47 (0%)	0/49 (0%)	1/49 (2%)	0/44 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/43 (0%)			0/48 (0%)					
<b>Overall Incidence</b>	Total	3/1327 (0.23%)	Mean 0.22%	SD 0.66%	Total	6/1302 (0.46%)	Mean 0.46%	SD 0.88%		
.....										
<b>*Thyroid Gland: C-Cell:</b>										
<b>Adenoma</b>										
		3/50 (6%)	10/50 (20%)	5/50 (10%)	4/50 (8%)	6/50 (12%)	3/50 (6%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
		5/50 (10%)	6/50 (12%)	3/50 (6%)	3/49 (6%)	4/50 (8%)	3/50 (6%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
		10/50 (20%)	7/50 (14%)	5/50 (10%)	8/50 (16%)	4/50 (8%)	3/50 (6%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
		6/50 (12%)	11/50 (22%)	7/50 (14%)	5/50 (10%)	6/50 (12%)	4/50 (8%)	4/50 (8%)	4/50 (8%)	4/50 (8%)
		1/50 (2%)	9/50 (18%)	8/49 (16%)	11/50 (22%)	7/50 (14%)	5/50 (10%)	5/50 (10%)	5/50 (10%)	5/50 (10%)
		1/50 (2%)	6/50 (12%)	11/47 (23%)	3/50 (6%)	7/50 (14%)	10/47 (21%)	10/47 (21%)	10/47 (21%)	10/47 (21%)
		3/49 (6%)	5/48 (10%)	12/50 (24%)	2/50 (4%)	2/47 (4%)	5/50 (10%)	5/50 (10%)	5/50 (10%)	5/50 (10%)
		4/49 (8%)	8/50 (16%)	5/50 (10%)	3/50 (6%)	8/50 (16%)	8/50 (16%)	8/50 (16%)	8/50 (16%)	8/50 (16%)
		5/50 (10%)	3/50 (6%)	6/50 (12%)	3/50 (6%)	6/49 (12%)	6/50 (12%)	6/50 (12%)	6/50 (12%)	6/50 (12%)
		10/49 (20%)			6/46 (13%)					
<b>Overall Incidence</b>	Total	175/1391 (12.58%)	Mean 12.6%	SD 6.15%	Total	141/1338 (10.54%)	Mean 10.55%	SD 4.89%		

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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		Male				Female			
<b>*Thyroid Gland: C-Cell: Carcinoma</b>									
		1/50 (2%)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		4/50 (8%)	1/50 (2%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	1/50 (2%)	5/50 (10%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	6/50 (12%)	0/49 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	2/50 (4%)	0/47 (0%)	1/50 (2%)	0/50 (0%)	1/47 (2%)	0/50 (0%)	1/47 (2%)
		0/49 (0%)	1/48 (2%)	0/50 (0%)	1/50 (2%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/49 (6%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
		2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)			0/46 (0%)				
<b>Overall Incidence</b>	Total	41/1391 (2.95%)	Mean 2.94%	SD 3.2%	Total	17/1338 (1.27%)	Mean 1.27%	SD 1.68%	
.....									
<b>*Thyroid Gland: C-Cell: Carcinoma or Adenoma</b>									
		4/50 (8%)	11/50 (22%)	9/50 (18%)	4/50 (8%)	6/50 (12%)	4/50 (8%)		
		9/50 (18%)	7/50 (14%)	3/50 (6%)	4/49 (8%)		3/50 (6%)		
		12/50 (24%)	8/50 (16%)	10/50 (20%)	8/50 (16%)	4/50 (8%)	5/50 (10%)		
		6/50 (12%)	11/50 (22%)	8/50 (16%)	5/50 (10%)	6/50 (12%)	5/50 (10%)		
		1/50 (2%)	15/50 (30%)	8/49 (16%)	12/50 (24%)	9/50 (18%)	5/50 (10%)		
		3/50 (6%)	8/50 (16%)	11/47 (23%)	4/50 (8%)	7/50 (14%)	11/47 (23%)		
		3/49 (6%)	6/48 (13%)	12/50 (24%)	3/50 (6%)	2/47 (4%)	5/50 (10%)		
		7/49 (14%)	8/50 (16%)	6/50 (12%)	5/50 (10%)	8/50 (16%)	10/50 (20%)		
		6/50 (12%)	4/50 (8%)	7/50 (14%)	3/50 (6%)	7/49 (14%)	6/50 (12%)		
		11/49 (22%)			6/46 (13%)				
<b>Overall Incidence</b>	Total	214/1391 (15.38%)	Mean 15.4%	SD 6.66%	Total	157/1338 (11.73%)	Mean 11.75%	SD 5.13%	
.....									
<b>*Thyroid Gland: Follicular Cell: Adenoma</b>									
		3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)		
		0/50 (0%)	0/50 (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%)		
		1/50 (2%)	1/50 (2%)	1/49 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)	0/47 (0%)	1/50 (2%)	0/50 (0%)	2/47 (4%)		
		0/49 (0%)	0/48 (0%)	1/50 (2%)	0/50 (0%)	0/47 (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%)	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	14/1391 (1.01%)	Mean 1%	SD 1.59%	Total	7/1338 (0.52%)	Mean 0.53%	SD 1.09%	

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female					
<b>*Thyroid Gland: Follicular Cell: Carcinoma</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%)	0/50 (0%)	2/50 (4%)	0/49 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	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%)	
		2/50 (4%)	1/50 (2%)	0/49 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)	0/50 (0%)	
		0/49 (0%)	0/48 (0%)	2/50 (4%)	0/50 (0%)	1/47 (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%)	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%)	
		0/49 (0%)			0/46 (0%)						
<b>Overall Incidence</b>	Total	12/1391 (0.86%)	Mean 0.86%	SD 1.38%	Total	6/1338 (0.45%)	Mean 0.45%	SD 1.02%			
.....											
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>											
		3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)			
		2/50 (4%)	0/50 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	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%)	
		3/50 (6%)	2/50 (4%)	1/49 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	0/50 (0%)	0/47 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/47 (4%)	0/50 (0%)	
		0/49 (0%)	0/48 (0%)	3/50 (6%)	0/50 (0%)	1/47 (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%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)			1/46 (2%)						
<b>Overall Incidence</b>	Total	26/1391 (1.87%)	Mean 1.86%	SD 2.17%	Total	12/1338 (0.9%)	Mean 0.91%	SD 1.43%			
.....											
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	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	1/1398 (0.07%)	Mean 0.07%	SD 0.39%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<b>#Tissue NOS:</b>														
<b>Paranganglioma</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%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/1398	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(0%)	Mean	0%	SD	0%
.....														
<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%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/1398	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.07%	SD	0.38%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

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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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	4/1398 (0.29%)	Mean 0.29%	SD 0.71%	Total	7/1350 (0.52%)	Mean 0.52%	SD 1.05%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell 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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	4/1398 (0.29%)	Mean 0.29%	SD 0.71%	Total	6/1350 (0.44%)	Mean 0.44%	SD 1.01%	
.....									
<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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/1398 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	0/1398 (0%)	Mean 0%	SD 0%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.53%			
.....											
<b>*Urinary Bladder: 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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	1/1396 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1347 (0%)	Mean 0%	SD 0%			
.....											
<b>*Urinary Bladder: Carcinoma 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%)
		0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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	5/1396 (0.36%)	Mean 0.36%	SD 0.78%	Total	0/1347 (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: ALL ROUTES  
 Vehicle: ALL VEHICLES

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 Report Date:04/29/2009

		Male				Female								
<b>*Urinary Bladder:</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%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	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	1/1396	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1347	(0%)	Mean	0%	SD	0%
.....														
<b>*Urinary Bladder:</b>														
<b>Leiomyosarcoma</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	(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%)	0/49	(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%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/1396	(0%)	Mean	0%	SD	0%	Total	1/1347	(0.07%)	Mean	0.07%	SD	0.38%
.....														
<b>*Urinary Bladder:</b>														
<b>Papilloma</b>														
		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%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	4/1396	(0.29%)	Mean	0.29%	SD	0.72%	Total	0/1347	(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: ALL ROUTES**  
**Vehicle: ALL VEHICLES**

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 Report Date:04/29/2009

	Male		Female			
<b>#Uterus:</b>						
<b>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%)	0/50	(0%)	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%)	1/50	(2%)
	1/50	(2%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)				
<b>Overall Incidence</b>	Total	4/1350 (0.3%)	Mean	0.3%	SD	0.72%
.....						
<b>#Uterus:</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%)	0/50	(0%)	0/50	(0%)
	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%)
	1/50	(2%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)				
<b>Overall Incidence</b>	Total	2/1350 (0.15%)	Mean	0.15%	SD	0.53%
.....						
<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%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	1/50	(2%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	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	1/1350 (0.07%)	Mean	0.07%	SD	0.38%

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

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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ALL ROUTES**  
**Vehicle: ALL VEHICLES**

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 Report Date:04/29/2009

	Male		Female			
<b>#Uterus:</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%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total 1/1350 (0.07%)		Mean 0.07%		SD 0.38%	
.....						
<b>#Uterus:</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%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total 2/1350 (0.15%)		Mean 0.15%		SD 0.53%	
.....						
<b>#Uterus:</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%)	0/50	(0%)	1/50	(2%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	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 1/1350 (0.07%)		Mean 0.07%		SD 0.38%	

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



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

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: ALL ROUTES**  
**Vehicle: ALL VEHICLES**

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	Male		Female	
<b>#Uterus:</b>				
<b>Sarcoma Stromal or Polyp Stromal</b>				
	9/50	(18%)	6/50	(12%)
	10/50	(20%)	10/50	(20%)
	3/50	(6%)	8/50	(16%)
	7/50	(14%)	8/50	(16%)
	8/50	(16%)	8/50	(16%)
	13/50	(26%)	15/50	(30%)
	6/50	(12%)	10/50	(20%)
	12/50	(24%)	5/50	(10%)
	6/50	(12%)	9/50	(18%)
	13/50	(26%)	4/50	(8%)
<b>Overall Incidence</b>	Total	250/1350 (18.52%)	Mean	18.52%
			SD	6.92%
.....				
<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%)
	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%)
	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/1350 (0.15%)	Mean	0.15%
			SD	0.53%
.....				
<b>#Vagina:</b>				
<b>Polyp</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%)	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%)
<b>Overall Incidence</b>	Total	3/1350 (0.22%)	Mean	0.22%
			SD	0.85%

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

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		Male				Female			
<b>#Zymbal's Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (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%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)			0/50 (0%)				
<b>Overall Incidence</b>	Total	12/1398 (0.86%)	Mean 0.86%	SD 1.48%	Total	7/1350 (0.52%)	Mean 0.52%	SD 0.89%	

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