



National Toxicology Program
Department of Health and Human Services

NTP Historical Controls Report

All Routes and Vehicles

F 344/N RATS

March 2007

REPORT DESCRIPTION

This report shows the tumor rates of control group animals from selected studies. The studies used are shown on the Study Summary page.

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:

	Male			Female		
M1	M2	M3	F1	F2	F3	
M4	M5		F4	F5		

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

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

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
Male							
Battelle Columbus Laboratory	058813803	08/16/99	729	50(3)	22(681)	501.7	Benzophenone
Battelle Columbus Laboratory	055611103	09/08/97	731	100(3)	60(689)	487.9	trans-Cinnamaldehyde
Battelle Columbus Laboratory	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 Northwest	059302607	08/14/97	733	50(5)	28(684)	509.1	Decalin
Southern Research Institute	059302007	04/24/00	729	50(1)	20(670)	484.2	Diisopropylcarbodiimide
Battelle Columbus Laboratory	058803105	03/31/97	729	50(3)	23(662)	519.6	Dipropylene glycol
Battelle Northwest	058800405	09/13/99	729	50(5)	31(686)	519.5	Divinylbenzene
Battelle Columbus Laboratory	058812206	06/25/97	727	50(3)	26(667)	483.6	Elmiron (sodium pentosanpolysulfate)
Battelle Columbus Laboratory	058812305	03/21/01	727	50(3)	26(673)	509.7	Formamide
Southern Research Institute	059302306	07/11/97	729	50(3)	37(693)	510.6	2,4-Hexadienal
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 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	059201205	07/15/98	729	50(3)	35(704)	446.9	2-Methylimidazole
Southern Research Institute	059201305	01/20/00	730	50(3)	31(702)	448.0	4-Methylimidazole
Battelle Northwest	058800603	08/06/01	729	50(5)	27(680)	537.2	alpha-Methylstyrene
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 Northwest	059000407	10/06/97	729	50(5)	27(675)	540.5	Propylene glycol mono-t-butyl ether
Battelle Northwest	059600105	01/18/99	729	50(5)	29(701)	534.2	Stoddard solvent (type IIC)
Battelle Northwest	056142707	01/06/97	729	50(5)	20(668)	521.5	Vanadium pentoxide
Southern Research Institute	059601905	09/26/01	729	50(3)	31(686)	526.0	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601803	12/15/98	729	50(3)	29(682)	511.6	Water disinfection byproducts (Bromodichloromethane)
Southern Research Institute	059601705	03/08/00	729	50(3)	34(683)	522.9	Water disinfection byproducts (Dibromoacetic acid)
Southern Research Institute	059601505	09/05/01	729	50(3)	31(692)	507.8	Water disinfection byproducts (Dibromoacetonitrile)
Southern Research Institute	059601003	09/16/98	729	50(3)	36(687)	514.1	Water disinfection byproducts (Sodium chlorate)

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
Female							
Battelle Columbus Laboratory	058813803	08/17/99	729	50(5)	32(688)	348.7	Benzophenone
Battelle Columbus Laboratory	055611103	09/09/97	735	100(5)	70(706)	337.8	trans-Cinnamaldehyde
Battelle Columbus Laboratory	050517405	N/A	N/A	0(0)	0(0)	N/A	Cresols
Battelle Northwest	059601105	06/04/01	731	50(5)	21(674)	356.9	Cumene
Battelle Northwest	059302607	08/14/97	734	50(5)	32(700)	346.6	Decalin
Southern Research Institute	059302007	04/24/00	731	50(1)	30(672)	319.5	Diisopropylcarbodiimide
Battelle Columbus Laboratory	058803105	04/01/97	729	50(5)	30(683)	350.8	Dipropylene glycol
Battelle Northwest	058800405	09/13/99	731	50(5)	33(679)	355.3	Divinylbenzene
Battelle Columbus Laboratory	058812206	06/26/97	728	50(5)	30(672)	327.2	Elmiron (sodium pentosanpolysulfate)
Battelle Columbus Laboratory	058812305	03/20/01	730	50(5)	38(703)	358.3	Formamide
Southern Research Institute	059302306	07/11/97	732	50(5)	37(699)	314.6	2,4-Hexadienal
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 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	059201205	07/15/98	734	50(5)	40(707)	320.6	2-Methylimidazole
Southern Research Institute	059201305	01/20/00	735	50(5)	40(702)	311.3	4-Methylimidazole
Battelle Northwest	058800603	08/06/01	730	50(5)	27(647)	351.9	alpha-Methylstyrene
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 Northwest	059000407	10/06/97	730	50(5)	33(675)	366.9	Propylene glycol mono-t-butyl ether
Battelle Northwest	059600105	01/18/99	730	50(5)	36(696)	363.6	Stoddard solvent (type IIC)
Battelle Northwest	056142707	01/06/97	731	50(5)	33(688)	351.1	Vanadium pentoxide
Southern Research Institute	059601905	09/26/01	731	50(5)	34(688)	357.3	Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601803	N/A	N/A	0(0)	0(0)	N/A	Water disinfection byproducts (Bromodichloromethane)
Southern Research Institute	059601705	03/08/00	734	50(5)	35(693)	350.5	Water disinfection byproducts (Dibromoacetic acid)
Southern Research Institute	059601505	09/05/01	734	50(5)	29(689)	337.6	Water disinfection byproducts (Dibromoacetonitrile)
Southern Research Institute	059601003	09/16/98	734	50(5)	37(699)	341.7	Water disinfection byproducts (Sodium chlorate)

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

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

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	Male				Female			
#All Organs:								
Benign Tumors								
	49/50 (98%)	99/100 (99%)	50/50 (100%)	42/50 (84%)	78/100 (78%)			
	48/50 (96%)	47/50 (94%)	47/50 (94%)	44/50 (88%)	46/50 (92%)	44/50 (88%)		
	47/50 (94%)	49/50 (98%)	49/50 (98%)	44/50 (88%)	43/50 (86%)	37/50 (74%)		
	45/50 (90%)	48/50 (96%)	50/50 (100%)	43/50 (86%)	45/50 (90%)	46/50 (92%)		
	49/50 (98%)	50/50 (100%)	47/50 (94%)	41/50 (82%)	44/50 (88%)	47/50 (94%)		
	49/50 (98%)	50/50 (100%)	48/50 (96%)	43/50 (86%)	48/50 (96%)	43/50 (86%)		
	49/50 (98%)	48/49 (98%)	50/50 (100%)	40/50 (80%)	42/50 (84%)	41/50 (82%)		
	50/50 (100%)	48/50 (96%)	50/50 (100%)	37/50 (74%)	41/50 (82%)	49/50 (98%)		
	49/50 (98%)	47/50 (94%)	50/50 (100%)		42/50 (84%)	44/50 (88%)		
	48/50 (96%)			46/50 (92%)				
Overall Incidence	Total	1410/1449 (97.31%)	Mean 97.25%	SD 2.59%	Total	1160/1350 (85.93%)	Mean 86.23%	SD 6%
.....								
#All Organs:								
Malignant Tumors								
	33/50 (66%)	57/100 (57%)	23/50 (46%)	20/50 (40%)	39/100 (39%)			
	36/50 (72%)	27/50 (54%)	34/50 (68%)	24/50 (48%)	25/50 (50%)	22/50 (44%)		
	35/50 (70%)	29/50 (58%)	29/50 (58%)	25/50 (50%)	17/50 (34%)	12/50 (24%)		
	25/50 (50%)	21/50 (42%)	35/50 (70%)	15/50 (30%)	18/50 (36%)	16/50 (32%)		
	29/50 (58%)	31/50 (62%)	30/50 (60%)	18/50 (36%)	22/50 (44%)	19/50 (38%)		
	22/50 (44%)	22/50 (44%)	32/50 (64%)	19/50 (38%)	19/50 (38%)	25/50 (50%)		
	23/50 (46%)	32/49 (65%)	35/50 (70%)	11/50 (22%)	26/50 (52%)	33/50 (66%)		
	33/50 (66%)	28/50 (56%)	27/50 (54%)	30/50 (60%)	28/50 (56%)	18/50 (36%)		
	28/50 (56%)	29/50 (58%)	27/50 (54%)		16/50 (32%)	20/50 (40%)		
	27/50 (54%)			21/50 (42%)				
Overall Incidence	Total	839/1449 (57.9%)	Mean 57.94%	SD 8.69%	Total	558/1350 (41.33%)	Mean 41.42%	SD 10.45%
.....								
#All Organs:								
Malignant and Benign Tumors								
	50/50 (100%)	100/100 (100%)	50/50 (100%)	46/50 (92%)	92/100 (92%)			
	50/50 (100%)	49/50 (98%)	50/50 (100%)	50/50 (100%)	49/50 (98%)	48/50 (96%)		
	49/50 (98%)	50/50 (100%)	49/50 (98%)	50/50 (100%)	46/50 (92%)	42/50 (84%)		
	48/50 (96%)	50/50 (100%)	50/50 (100%)	49/50 (98%)	48/50 (96%)	48/50 (96%)		
	50/50 (100%)	50/50 (100%)	49/50 (98%)	46/50 (92%)	46/50 (92%)	50/50 (100%)		
	50/50 (100%)	50/50 (100%)	50/50 (100%)	45/50 (90%)	48/50 (96%)	46/50 (92%)		
	50/50 (100%)	49/49 (100%)	50/50 (100%)	45/50 (90%)	47/50 (94%)	49/50 (98%)		
	50/50 (100%)	50/50 (100%)	50/50 (100%)	44/50 (88%)	47/50 (94%)	49/50 (98%)		
	50/50 (100%)	50/50 (100%)	50/50 (100%)		45/50 (90%)	48/50 (96%)		
	49/50 (98%)			49/50 (98%)				
Overall Incidence	Total	1442/1449 (99.52%)	Mean 99.5%	SD 1.04%	Total	1272/1350 (94.22%)	Mean 94.31%	SD 4.07%

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

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

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

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 Report Date: 05/13/2022

		Male				Female			
#All Organs:									
Hemangioma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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%)	1/50 (2%)	1/50 (2%)
		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%)	1/50 (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%)
Overall Incidence	Total	3/1449 (0.21%)	Mean 0.21%	SD 0.63%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.54%	
.....									
#All Organs:									
Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	1/50 (2%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (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%)	0/50 (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%)
Overall Incidence	Total	4/1449 (0.28%)	Mean 0.29%	SD 0.71%	Total	4/1350 (0.3%)	Mean 0.31%	SD 0.93%	
.....									
#All Organs:									
Hemangiosarcoma or Hemangioma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	2/50 (4%)	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%)	1/50 (2%)	1/50 (2%)
		0/50 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)				0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	7/1449 (0.48%)	Mean 0.5%	SD 1.04%	Total	6/1350 (0.44%)	Mean 0.46%	SD 1.03%	

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

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

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

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 Report Date: 05/13/2022

		Male				Female				
#All Organs:										
Histiocytic Sarcoma										
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	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%)	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%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
		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%)	1/50 (2%)	1/50 (2%)	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%)				
Overall Incidence	Total	8/1449 (0.55%)		Mean 0.57%	SD 1.07%	Total	9/1350 (0.67%)		Mean 0.69%	SD 1.38%
.....										
#All Organs:										
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated										
		27/50 (54%)	40/100 (40%)	15/50 (30%)	19/50 (38%)	21/100 (21%)				
		26/50 (52%)	19/50 (38%)	13/50 (26%)	12/50 (24%)	11/50 (22%)	9/50 (18%)			
		16/50 (32%)	22/50 (44%)	15/50 (30%)	10/50 (20%)	10/50 (20%)	7/50 (14%)			
		15/50 (30%)	11/50 (22%)	28/50 (56%)	10/50 (20%)	10/50 (20%)	9/50 (18%)			
		10/50 (20%)	25/50 (50%)	23/50 (46%)	8/50 (16%)	14/50 (28%)	12/50 (24%)			
		15/50 (30%)	15/50 (30%)	26/50 (52%)	6/50 (12%)	9/50 (18%)	18/50 (36%)			
		9/50 (18%)	21/49 (43%)	33/50 (66%)	5/50 (10%)	20/50 (40%)	24/50 (48%)			
		25/50 (50%)	22/50 (44%)	21/50 (42%)	26/50 (52%)	21/50 (42%)	15/50 (30%)			
		16/50 (32%)	17/50 (34%)	21/50 (42%)		11/50 (22%)	14/50 (28%)			
		13/50 (26%)								
Overall Incidence	Total	559/1449 (38.58%)		Mean 38.53%	SD 12.03%	Total	342/1350 (25.33%)		Mean 25.5%	SD 10.93%
.....										
#All Organs:										
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type										
		0/50 (0%)	0/100 (0%)	1/50 (2%)	0/50 (0%)	1/100 (1%)				
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		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%)	
		1/50 (2%)				0/50 (0%)				
Overall Incidence	Total	6/1449 (0.41%)		Mean 0.43%	SD 1%	Total	2/1350 (0.15%)		Mean 0.12%	SD 0.43%

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
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		Male				Female			
#All Organs:									
Mesothelioma: Benign									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)		
		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%)
		0/50 (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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%	SD 0.38%	Total	1/1350 (0.07%)		Mean 0.08% SD 0.39%
.....									
#All Organs:									
Mesothelioma: Benign, Malignant, NOS									
		2/50 (4%)	5/100 (5%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)		
		3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		6/50 (12%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	4/50 (8%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	1/50 (2%)	3/50 (6%)	3/50 (6%)	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%)
		2/50 (4%)	1/49 (2%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	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%)
		3/50 (6%)	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%)			
Overall Incidence	Total	52/1449 (3.59%)		Mean 3.54%	SD 2.82%	Total	5/1350 (0.37%)		Mean 0.38% SD 0.98%
.....									
#All Organs:									
Mesothelioma: Malignant									
		2/50 (4%)	5/100 (5%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)		
		3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		6/50 (12%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	4/50 (8%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	1/50 (2%)	3/50 (6%)	3/50 (6%)	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%)
		2/50 (4%)	1/49 (2%)	2/50 (4%)	2/50 (4%)	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%)
		3/50 (6%)	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%)			
Overall Incidence	Total	52/1449 (3.59%)		Mean 3.54%	SD 2.82%	Total	4/1350 (0.3%)		Mean 0.31% SD 0.93%

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

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

Toxicology Data Management System
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	Male					Female								
#All Organs:														
Osteoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	2/1449	(0.14%)	Mean	0.14%	SD	0.76%	Total	0/1350	(0%)	Mean	0%	SD	0%
#All Organs:														
Osteosarcoma														
	1/50	(2%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	1/100	(1%)				
	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%)	0/50	(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%)	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%)	1/49	(2%)	1/50	(2%)	0/50	(0%)	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%)	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%)							0/50	(0%)				
Overall Incidence	Total	13/1449	(0.9%)	Mean	0.93%	SD	1.59%	Total	6/1350	(0.44%)	Mean	0.42%	SD	0.81%
#All Organs:														
Osteosarcoma or Osteoma														
	1/50	(2%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	1/100	(1%)				
	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%)
	2/50	(4%)	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%)	1/49	(2%)	1/50	(2%)	0/50	(0%)	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%)	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%)							0/50	(0%)				
Overall Incidence	Total	15/1449	(1.04%)	Mean	1.07%	SD	1.68%	Total	6/1350	(0.44%)	Mean	0.42%	SD	0.81%

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

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

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

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		Male				Female			
*Adrenal Cortex:									
Adenoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	1/100 (1%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	
		0/47 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	1/50 (2%)	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%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	5/50 (10%)	1/49 (2%)	2/50 (4%)	2/50 (4%)	
		1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/49 (4%)	2/49 (4%)	
		0/50 (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%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)			0/50 (0%)				
Overall Incidence	Total	4/1444 (0.28%)	Mean 0.29%	SD 0.71%	Total	20/1345 (1.49%)	Mean 1.51%	SD 2.36%	

*Adrenal Cortex:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/47 (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%)	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%)	0/49 (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%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)			0/50 (0%)				
Overall Incidence	Total	1/1444 (0.07%)	Mean 0.07%	SD 0.38%	Total	1/1345 (0.07%)	Mean 0.08%	SD 0.39%	

*Adrenal Medulla:									
Ganglioneuroma									
		0/50 (0%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	
		1/47 (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%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)	
		1/50 (2%)	0/49 (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%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/49 (0%)			0/50 (0%)				
Overall Incidence	Total	3/1443 (0.21%)	Mean 0.18%	SD 0.56%	Total	0/1339 (0%)	Mean 0%	SD 0%	

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
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		Male				Female			
*Adrenal Medulla:									
Hemangioma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)
		0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (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%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (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%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (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%)				
Overall Incidence	Total	0/1443 (0%)		Mean 0%	SD 0%	Total 1/1339 (0.07%)		Mean 0.08%	SD 0.39%

*Adrenal Medulla:									
Pheochromocytoma Benign									
		8/50 (16%)	5/100 (5%)	8/50 (16%)	0/50 (0%)	1/100 (1%)			
		7/50 (14%)	7/49 (14%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	0/49 (0%)	2/50 (4%)	0/50 (0%)
		4/47 (9%)	12/50 (24%)	7/50 (14%)	0/49 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
		9/50 (18%)	7/50 (14%)	5/50 (10%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
		5/50 (10%)	8/50 (16%)	9/50 (18%)	2/50 (4%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
		8/50 (16%)	8/50 (16%)	8/50 (16%)	0/49 (0%)	2/48 (4%)	1/49 (2%)	2/49 (4%)	0/50 (0%)
		11/50 (22%)	8/49 (16%)	12/50 (24%)	1/50 (2%)	1/50 (2%)	2/49 (4%)	2/49 (4%)	0/50 (0%)
		5/50 (10%)	4/50 (8%)	9/50 (18%)	2/50 (4%)	2/49 (4%)	2/49 (4%)	2/49 (4%)	0/50 (0%)
		8/50 (16%)	7/49 (14%)	10/50 (20%)		1/49 (2%)	1/49 (2%)	1/49 (2%)	0/50 (0%)
		6/49 (12%)			2/50 (4%)				
Overall Incidence	Total	208/1443 (14.41%)		Mean 14.74%	SD 4.82%	Total 32/1339 (2.39%)		Mean 2.44%	SD 1.76%

*Adrenal Medulla:									
Pheochromocytoma Complex									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	1/100 (1%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/49 (0%)	0/48 (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%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
		2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)			0/50 (0%)				
Overall Incidence	Total	5/1443 (0.35%)		Mean 0.36%	SD 1.1%	Total 2/1339 (0.15%)		Mean 0.12%	SD 0.43%

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

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

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

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		Male				Female			
*Adrenal Medulla:									
Pheochromocytoma Malignant									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	2/100 (2%)			
		1/50 (2%)	2/49 (4%)	4/50 (8%)	1/50 (2%)	0/50 (0%)	0/49 (0%)		
		5/47 (11%)	1/50 (2%)	1/50 (2%)	2/49 (4%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	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%)	2/50 (4%)	0/49 (0%)	1/48 (2%)	0/49 (0%)		
		2/50 (4%)	3/49 (6%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/49 (0%)	2/49 (4%)		
		1/50 (2%)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)		
		3/49 (6%)			0/50 (0%)				
Overall Incidence	Total	34/1443 (2.36%)	Mean 2.46%	SD 2.82%	Total	11/1339 (0.82%)	Mean 0.78%	SD 1.29%	
*Adrenal Medulla:									
Pheochromocytoma: Benign, Complex, Malignant, NOS									
		8/50 (16%)	5/100 (5%)	8/50 (16%)	0/50 (0%)	4/100 (4%)			
		7/50 (14%)	8/49 (16%)	6/50 (12%)	3/50 (6%)	1/50 (2%)	0/49 (0%)		
		9/47 (19%)	13/50 (26%)	7/50 (14%)	2/49 (4%)	2/50 (4%)	3/50 (6%)		
		9/50 (18%)	7/50 (14%)	5/50 (10%)	0/50 (0%)	2/50 (4%)	0/50 (0%)		
		7/50 (14%)	8/50 (16%)	11/50 (22%)	2/50 (4%)	3/50 (6%)	2/50 (4%)		
		8/50 (16%)	10/50 (20%)	10/50 (20%)	0/49 (0%)	3/48 (6%)	1/49 (2%)		
		13/50 (26%)	10/49 (20%)	14/50 (28%)	1/50 (2%)	1/50 (2%)	2/49 (4%)		
		6/50 (12%)	5/50 (10%)	10/50 (20%)	3/50 (6%)	2/49 (4%)	4/49 (8%)		
		11/50 (22%)	7/49 (14%)	10/50 (20%)		1/49 (2%)	1/49 (2%)		
		9/49 (18%)			2/50 (4%)				
Overall Incidence	Total	241/1443 (16.7%)	Mean 17.13%	SD 5.19%	Total	45/1339 (3.36%)	Mean 3.34%	SD 2.28%	
#Blood Vessel:									
Osteosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)			0/50 (0%)				
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

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		Male				Female			
#Bone:									
Chondrosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/1449 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	

#Bone:									
Chondrosarcoma or Chondroma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/1449 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	

#Bone:									
Chordoma									
		1/50 (2%)	0/100 (0%)	1/50 (2%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	1/49 (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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/1449 (0.41%)	Mean 0.43%	SD 0.84%	Total	0/1350 (0%)	Mean 0%	SD 0%	

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
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	Male					Female								
#Bone:														
Osteoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	2/1449	(0.14%)	Mean	0.14%	SD	0.76%	Total	0/1350	(0%)	Mean	0%	SD	0%
<hr/>														
#Bone:														
Osteosarcoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	1/100	(1%)				
	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%)				
	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%)				
	1/50	(2%)	1/49	(2%)	1/50	(2%)	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%)				
	1/50	(2%)					0/50	(0%)						
Overall Incidence	Total	10/1449	(0.69%)	Mean	0.72%	SD	1.24%	Total	6/1350	(0.44%)	Mean	0.42%	SD	0.81%
<hr/>														
#Bone:														
Osteosarcoma or Osteoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	1/100	(1%)				
	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%)				
	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)				
	1/50	(2%)	1/49	(2%)	1/50	(2%)	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%)				
	1/50	(2%)					0/50	(0%)						
Overall Incidence	Total	12/1449	(0.83%)	Mean	0.86%	SD	1.38%	Total	6/1350	(0.44%)	Mean	0.42%	SD	0.81%

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

		Male				Female			
*Brain:									
Astrocytoma Malignant									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	1/100 (1%)			
		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%)	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%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (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%)			0/49 (0%)				
Overall Incidence	Total	3/1448 (0.21%)		Mean 0.21%	SD 0.63%	Total 4/1347 (0.3%)		Mean 0.27%	SD 0.87%

*Brain:									
Ependymoma Benign									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	0/49 (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%)	0/50 (0%)
		0/50 (0%)			0/49 (0%)				
Overall Incidence	Total	1/1448 (0.07%)		Mean 0.07%	SD 0.38%	Total 0/1347 (0%)		Mean 0%	SD 0%

*Brain:									
Glioma Malignant									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/49 (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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/49 (0%)				
Overall Incidence	Total	1/1448 (0.07%)		Mean 0.07%	SD 0.38%	Total 2/1347 (0.15%)		Mean 0.15%	SD 0.54%

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

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

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

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		Male				Female							
*Brain:													
Granular Cell Tumor Benign													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)					0/49	(0%)				
Overall Incidence	Total	0/1448 (0%)		Mean	0%	SD	0%	Total	1/1347 (0.07%)	Mean	0.08%	SD	0.39%

*Brain:													
Medulloblastoma Mal													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/49	(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%)				
Overall Incidence	Total	1/1448 (0.07%)		Mean	0.07%	SD	0.38%	Total	0/1347 (0%)	Mean	0%	SD	0%

*Brain:													
Meningioma Malignant													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(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%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		0/50	(0%)					0/49	(0%)				
Overall Incidence	Total	0/1448 (0%)		Mean	0%	SD	0%	Total	1/1347 (0.07%)	Mean	0.08%	SD	0.39%

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

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

Toxicology Data Management System
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Vehicle: ALL VEHICLES

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		Male				Female							
*Brain:													
Meningioma: Benign, Malignant, NOS													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(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%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		0/50	(0%)					0/49	(0%)				
Overall Incidence	Total	0/1448 (0%)		Mean	0%	SD	0%	Total	1/1347 (0.07%)	Mean	0.08%	SD	0.39%
.....													
*Brain:													
Oligodendroglioma Benign													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)		
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)					0/49	(0%)				
Overall Incidence	Total	2/1448 (0.14%)		Mean	0.14%	SD	0.52%	Total	0/1347 (0%)	Mean	0%	SD	0%
.....													
*Brain:													
Oligodendroglioma Malignant													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(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%)		
		1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(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%)				
Overall Incidence	Total	1/1448 (0.07%)		Mean	0.07%	SD	0.38%	Total	2/1347 (0.15%)	Mean	0.15%	SD	0.54%

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

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

Toxicology Data Management System
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		Male				Female			
*Brain:									
Oligodendroglioma, Glioma, or Astrocytoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	1/100 (1%)			
		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%)	0/50 (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%)
		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%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/49 (0%)				
Overall Incidence	Total	7/1448 (0.48%)	Mean 0.5%	SD 1.04%	Total	8/1347 (0.59%)	Mean 0.58%	SD 1.33%	
.....									
*Brain:									
Sarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/49 (0%)				
Overall Incidence	Total	1/1448 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1347 (0%)	Mean 0%	SD 0%	
.....									
*Clitoral/Preputial Gland:									
Adenoma									
		0/50 (0%)	7/100 (7%)	5/50 (10%)	3/50 (6%)	4/99 (4%)			
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	8/48 (17%)	2/50 (4%)		
		3/50 (6%)	0/48 (0%)	1/50 (2%)	6/48 (13%)	0/50 (0%)	3/50 (6%)		
		1/50 (2%)	1/49 (2%)	5/50 (10%)	2/50 (4%)	5/50 (10%)	3/50 (6%)		
		2/50 (4%)	0/50 (0%)	1/50 (2%)	3/48 (6%)	0/50 (0%)	7/50 (14%)		
		0/50 (0%)	2/50 (4%)	0/50 (0%)	5/50 (10%)	8/50 (16%)	0/50 (0%)		
		5/50 (10%)	3/49 (6%)	1/50 (2%)	7/50 (14%)	4/50 (8%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)	4/50 (8%)	0/49 (0%)	2/50 (4%)	17/50 (34%)		
		2/50 (4%)	3/50 (6%)	1/48 (2%)	8/50 (16%)	5/50 (10%)	5/50 (10%)		
		1/48 (2%)			11/49 (22%)				
Overall Incidence	Total	49/1442 (3.4%)	Mean 3.26%	SD 3.36%	Total	115/1341 (8.58%)	Mean 8.77%	SD 7.96%	

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

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

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

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		Male				Female			
*Clitoral/Preputial Gland: Carcinoma									
		1/50 (2%)	4/100 (4%)	0/50 (0%)	1/50 (2%)	9/99 (9%)			
		0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/48 (2%)	2/50 (4%)		
		3/50 (6%)	0/48 (0%)	1/50 (2%)	5/48 (10%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	3/49 (6%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)		
		2/50 (4%)	1/50 (2%)	0/50 (0%)	2/48 (4%)	1/50 (2%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)	2/50 (4%)	3/50 (6%)	2/50 (4%)	1/50 (2%)		
		0/50 (0%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)	2/50 (4%)	1/49 (2%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	0/48 (0%)		1/50 (2%)	1/50 (2%)		
		3/48 (6%)				3/49 (6%)			
Overall Incidence	Total	27/1442 (1.87%)	Mean 1.8%	SD 2.09%	Total	40/1341 (2.98%)	Mean 2.77%	SD 2.8%	
*Clitoral/Preputial Gland: Carcinoma or Adenoma									
		1/50 (2%)	11/100 (11%)	5/50 (10%)	4/50 (8%)	13/99 (13%)			
		0/50 (0%)	0/50 (0%)	2/50 (4%)	3/50 (6%)	9/48 (19%)	4/50 (8%)		
		6/50 (12%)	0/48 (0%)	2/50 (4%)	10/48 (21%)	0/50 (0%)	3/50 (6%)		
		2/50 (4%)	4/49 (8%)	6/50 (12%)	2/50 (4%)	7/50 (14%)	3/50 (6%)		
		4/50 (8%)	1/50 (2%)	1/50 (2%)	5/48 (10%)	1/50 (2%)	8/50 (16%)		
		0/50 (0%)	2/50 (4%)	2/50 (4%)	8/50 (16%)	10/50 (20%)	1/50 (2%)		
		5/50 (10%)	3/49 (6%)	2/50 (4%)	7/50 (14%)	4/50 (8%)	3/50 (6%)		
		0/50 (0%)	0/50 (0%)	5/50 (10%)	1/49 (2%)	2/50 (4%)	17/50 (34%)		
		3/50 (6%)	3/50 (6%)	1/48 (2%)		9/50 (18%)	6/50 (12%)		
		4/48 (8%)				14/49 (29%)			
Overall Incidence	Total	75/1442 (5.2%)	Mean 4.99%	SD 4.01%	Total	154/1341 (11.48%)	Mean 11.45%	SD 8.44%	
*Clitoral/Preputial Gland: Fibrosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/99 (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%)	0/50 (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%)	0/48 (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%)	0/49 (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%)				0/49 (0%)			
Overall Incidence	Total	0/1442 (0%)	Mean 0%	SD 0%	Total	1/1341 (0.07%)	Mean 0.08%	SD 0.39%	

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

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

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

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		Male				Female							
*Clitoral/Preputial Gland:													
Sarcoma													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/99	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)		
		1/50	(2%)	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%)	0/48	(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%)	0/49	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)		
		0/48	(0%)					0/49	(0%)				
Overall Incidence	Total	1/1442 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1341 (0%)	Mean 0%		SD 0%	
*Clitoral/Preputial Gland:													
Squamous Cell Papilloma													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	1/50	(2%)	0/99	(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%)	0/50	(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%)	0/48	(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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/48	(0%)					0/49	(0%)				
Overall Incidence	Total	1/1442 (0.07%)		Mean 0.07%		SD 0.38%		Total	2/1341 (0.15%)	Mean 0.15%		SD 0.54%	
#Ear:													
Neural Crest Tumor													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	2/1449 (0.14%)		Mean 0.14%		SD 0.53%		Total	0/1350 (0%)	Mean 0%		SD 0%	

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

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

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

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		Male				Female			
#Esophagus:									
Fibrosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/1449 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	

#Eye:									
Amelanotic Melanoma, Benign									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/1449 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	

#Eye:									
Melanoma Benign									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	1/50 (2%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/1449 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	

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

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

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

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		Male				Female						
#Eye:												
Schwannoma Malignant												
		0/50	(0%)	0/100	(0%)	1/50	(2%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1350 (0%)		Mean 0%	SD 0%
.....												
#Harderian Gland:												
Adenoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	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%)	
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1350 (0%)		Mean 0%	SD 0%
.....												
#Harderian Gland:												
Carcinoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	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%)	
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

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		Male				Female			
#Harderian Gland:									
Carcinoma or Adenoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)			
Overall Incidence	Total	2/1449 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%	

*Heart:									
Schwannoma Benign									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		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%)	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%)	0/49 (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%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	4/1449 (0.28%)	Mean 0.29%	SD 0.9%	Total	3/1349 (0.22%)	Mean 0.23%	SD 0.65%	

*Heart:									
Schwannoma Malignant									
		1/50 (2%)	2/100 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/100 (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%)	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%)	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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	5/1449 (0.35%)	Mean 0.29%	SD 0.71%	Total	3/1349 (0.22%)	Mean 0.23%	SD 0.65%	

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

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

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

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		Male				Female			
#Intestine Large: Colon/Rectum:									
Adenoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.38%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	

#Intestine Large: Colon/Rectum:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.38%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	

#Intestine Large: Colon/Rectum:									
Carcinoma or Adenoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/1449 (0.14%)	Mean 0.14%	SD 0.52%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.54%	

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

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

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

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 Report Date: 05/13/2022

	Male				Female									
#Intestine Large: Colon/Rectum:														
Leiomyosarcoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	0/1449	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)	Mean	0.08%	SD	0.39%
#Intestine Large: Colon/Rectum:														
Polyp Adenomatous														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	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%)				
Overall Incidence	Total	2/1449	(0.14%)	Mean	0.14%	SD	0.52%	Total	0/1350	(0%)	Mean	0%	SD	0%
#Intestine Small: Jejunum:														
Carcinoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/1449	(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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female						
#Intestine Small: Jejunum:												
Leiomyoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	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%)	0/50	(0%)	
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1350 (0%)		Mean 0%	SD 0%

#Intestine Small: Jejunum:												
Leiomyosarcoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	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%)	
Overall Incidence	Total	0/1449 (0%)		Mean 0%		SD 0%		Total	1/1350 (0.07%)		Mean 0.08%	SD 0.39%

#Intestine Small: Site Unspecified:												
Carcinoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

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		Male				Female						
#Intestine Small: Site Unspecified:												
Carcinoma or Adenoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)			
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1350 (0%)		Mean 0%	SD 0%
#Intestine Small: Site Unspecified:												
Leiomyoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	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%)			
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1350 (0%)		Mean 0%	SD 0%
#Intestine Small: Site Unspecified:												
Leiomyosarcoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	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%)			
Overall Incidence	Total	0/1449 (0%)		Mean 0%		SD 0%		Total	1/1350 (0.07%)		Mean 0.08%	SD 0.39%

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

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

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

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		Male				Female				
*Islets, Pancreatic:										
Adenoma										
		1/50 (2%)	2/100 (2%)	1/49 (2%)	0/50 (0%)	0/100 (0%)				
		1/50 (2%)	3/50 (6%)	5/50 (10%)	1/50 (2%)	1/50 (2%)	0/50 (0%)			
		2/44 (5%)	5/50 (10%)	1/50 (2%)	0/47 (0%)	1/50 (2%)	0/50 (0%)			
		2/50 (4%)	4/50 (8%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)			
		4/50 (8%)	3/50 (6%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	2/49 (4%)			
		0/50 (0%)	3/50 (6%)	3/50 (6%)	0/50 (0%)	0/49 (0%)	3/50 (6%)			
		2/50 (4%)	4/49 (8%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	0/49 (0%)			
		3/50 (6%)	1/50 (2%)	3/50 (6%)	1/49 (2%)	1/49 (2%)	3/49 (6%)			
		3/49 (6%)	5/48 (10%)	5/49 (10%)		0/47 (0%)	1/50 (2%)			
		3/50 (6%)			2/50 (4%)					
Overall Incidence	Total	79/1438 (5.49%)		Mean 5.62%	SD 2.93%	Total	20/1338 (1.49%)		Mean 1.55%	SD 1.83%
.....										
*Islets, Pancreatic:										
Carcinoma										
		0/50 (0%)	0/100 (0%)	1/49 (2%)	0/50 (0%)	2/100 (2%)				
		2/50 (4%)	4/50 (8%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)			
		0/44 (0%)	1/50 (2%)	0/50 (0%)	0/47 (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%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)			
		0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/49 (0%)	0/50 (0%)			
		1/50 (2%)	5/49 (10%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)			
		1/50 (2%)	1/50 (2%)	2/50 (4%)	0/49 (0%)	1/49 (2%)	0/49 (0%)			
		0/49 (0%)	0/48 (0%)	1/49 (2%)		0/47 (0%)	0/50 (0%)			
		2/50 (4%)			1/50 (2%)					
Overall Incidence	Total	31/1438 (2.16%)		Mean 2.22%	SD 2.76%	Total	9/1338 (0.67%)		Mean 0.62%	SD 1.1%
.....										
*Islets, Pancreatic:										
Carcinoma or Adenoma										
		1/50 (2%)	2/100 (2%)	2/49 (4%)	0/50 (0%)	2/100 (2%)				
		3/50 (6%)	7/50 (14%)	7/50 (14%)	2/50 (4%)	2/50 (4%)	0/50 (0%)			
		2/44 (5%)	6/50 (12%)	1/50 (2%)	0/47 (0%)	1/50 (2%)	0/50 (0%)			
		3/50 (6%)	4/50 (8%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	0/50 (0%)			
		4/50 (8%)	7/50 (14%)	4/50 (8%)	0/50 (0%)	0/50 (0%)	2/49 (4%)			
		0/50 (0%)	3/50 (6%)	4/50 (8%)	2/50 (4%)	0/49 (0%)	3/50 (6%)			
		3/50 (6%)	9/49 (18%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	1/49 (2%)			
		4/50 (8%)	2/50 (4%)	5/50 (10%)	1/49 (2%)	2/49 (4%)	3/49 (6%)			
		3/49 (6%)	5/48 (10%)	6/49 (12%)		0/47 (0%)	1/50 (2%)			
		5/50 (10%)			3/50 (6%)					
Overall Incidence	Total	110/1438 (7.65%)		Mean 7.85%	SD 4.29%	Total	29/1338 (2.17%)		Mean 2.17%	SD 2.05%

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female						
*Kidney: Pelvis and Transitional Epithelium:												
Carcinoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/47	(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%)	
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	
		1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/49	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/47	(0%)					0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	3/1437 (0.21%)		Mean 0.21%		SD 0.63%		Total	0/1344 (0%)	Mean 0%		SD 0%

*Kidney: Pelvis and Transitional Epithelium:												
Carcinoma or Adenoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/47	(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%)	
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	
		1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/49	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/47	(0%)					0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	3/1437 (0.21%)		Mean 0.21%		SD 0.63%		Total	0/1344 (0%)	Mean 0%		SD 0%

*Kidney: Pelvis and Transitional Epithelium:												
Papilloma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/47	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	1/48	(2%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/49	(0%)	0/49	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/47	(0%)					0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/1437 (0%)		Mean 0%		SD 0%		Total	1/1344 (0.07%)	Mean 0.08%		SD 0.41%

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

		Male				Female			
*Kidney: Renal Tubule: Adenoma									
		1/50 (2%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)
		1/47 (2%)	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%)
		0/49 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (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%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/49 (0%)	1/49 (2%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%)				0/50 (0%)			
Overall Incidence	Total	8/1437 (0.56%)	Mean 0.58%	SD 0.93%	Total	1/1344 (0.07%)	Mean 0.08%	SD 0.39%	

*Kidney: Renal Tubule: Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)
		0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	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%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (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%)	0/49 (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%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%)				0/50 (0%)			
Overall Incidence	Total	2/1437 (0.14%)	Mean 0.14%	SD 0.52%	Total	1/1344 (0.07%)	Mean 0.08%	SD 0.39%	

*Kidney: Renal Tubule: Carcinoma or Adenoma									
		1/50 (2%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)
		1/47 (2%)	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%)	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%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (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%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/49 (0%)	1/49 (2%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%)				0/50 (0%)			
Overall Incidence	Total	10/1437 (0.7%)	Mean 0.72%	SD 1.12%	Total	2/1344 (0.15%)	Mean 0.15%	SD 0.54%	

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
*Kidney: Renal Tubule: Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (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%)	0/49 (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%)
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%)				0/50 (0%)			
Overall Incidence	Total	1/1437 (0.07%)		Mean 0.07%	SD 0.38%	Total	0/1344 (0%)		Mean 0% SD 0%

*Kidney: Renal Tubule: Lipoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)
		0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)
		1/50 (2%)	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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%)				0/50 (0%)			
Overall Incidence	Total	2/1437 (0.14%)		Mean 0.14%	SD 0.52%	Total	0/1344 (0%)		Mean 0% SD 0%

*Kidney: Renal Tubule: Liposarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (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%)	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%)
		0/49 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (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%)	0/49 (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%)
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%)				0/50 (0%)			
Overall Incidence	Total	1/1437 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

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		Male				Female									
*Kidney: Renal Tubule:															
 Nephroblastoma															
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/47	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/48	(0%)				
		0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/49	(0%)	0/49	(0%)	0/49	(0%)			0/50	(0%)				
		0/47	(0%)					0/50	(0%)						
Overall Incidence	Total	0/1437 (0%)		Mean 0%		SD 0%		Total		1/1344 (0.07%)		Mean 0.08%		SD 0.39%	
*Kidney: Renal Tubule:															
 Sarcoma															
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/47	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/49	(0%)	1/48	(2%)	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%)	0/49	(0%)	0/50	(0%)				
		0/49	(0%)	0/49	(0%)	0/49	(0%)			0/50	(0%)				
		0/47	(0%)					0/50	(0%)						
Overall Incidence	Total	1/1437 (0.07%)		Mean 0.07%		SD 0.39%		Total		0/1344 (0%)		Mean 0%		SD 0%	
*Kidney: Renal Tubule:															
 Stromal Nephroma															
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		1/47	(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%)				
		0/49	(0%)	0/48	(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%)	0/49	(0%)	0/50	(0%)				
		0/49	(0%)	0/49	(0%)	0/49	(0%)			0/50	(0%)				
		0/47	(0%)					0/50	(0%)						
Overall Incidence	Total	1/1437 (0.07%)		Mean 0.08%		SD 0.4%		Total		0/1344 (0%)		Mean 0%		SD 0%	

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

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

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

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		Male				Female			
*Liver:									
Cholangiocarcinoma									
		0/50 (0%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	0/49 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/1449 (0.14%)		Mean 0.11%	SD 0.42%	Total		1/1348 (0.07%)	
						Mean		0.08%	
						SD		0.39%	

*Liver:									
Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	0/49 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/1449 (0.14%)		Mean 0.14%	SD 0.52%	Total		0/1348 (0%)	
						Mean		0%	
						SD		0%	

*Liver:									
Hepatocellular Adenoma									
		2/50 (4%)	2/100 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	6/50 (12%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)
		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%)	1/50 (2%)	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%)	1/49 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/49 (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%)	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%)
Overall Incidence	Total	14/1449 (0.97%)		Mean 0.93%	SD 1.59%	Total		13/1348 (0.96%)	
						Mean		1%	
						SD		2.55%	

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

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

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

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		Male				Female			
*Liver:									
Hepatocellular Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	1/49 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.39%	Total	1/1348 (0.07%)	Mean 0.08%	SD 0.39%	

*Liver:									
Hepatocellular Carcinoma or Hepatoblastoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	1/49 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.39%	Total	1/1348 (0.07%)	Mean 0.08%	SD 0.39%	

*Liver:									
Hepatocellular Carcinoma or Hepatocellular Adenoma									
		2/50 (4%)	2/100 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	6/50 (12%)
		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%)	2/50 (4%)	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%)	1/50 (2%)	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%)	1/49 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/49 (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%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	15/1449 (1.04%)	Mean 1%	SD 1.59%	Total	14/1348 (1.04%)	Mean 1.08%	SD 2.54%	

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

		Male				Female			
*Liver:									
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma									
		2/50 (4%)	2/100 (2%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	6/50 (12%)	
		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%)	2/50 (4%)	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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	15/1449 (1.04%)	Mean 1%	SD 1.59%	Total	14/1348 (1.04%)	Mean 1.08%	SD 2.54%	
.....									
*Lung:									
Alveolar/Bronchiolar Adenoma									
		4/50 (8%)	4/100 (4%)	1/50 (2%)	4/50 (8%)	6/100 (6%)	0/50 (0%)		
		1/50 (2%)	1/50 (2%)	1/50 (2%)	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%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)		
		3/50 (6%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		3/50 (6%)	1/49 (2%)	0/50 (0%)	4/50 (8%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	4/50 (8%)	2/50 (4%)	0/49 (0%)	0/49 (0%)	1/50 (2%)		
		0/50 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)		
		1/50 (2%)							
Overall Incidence	Total	38/1449 (2.62%)	Mean 2.57%	SD 2.49%	Total	25/1348 (1.85%)	Mean 1.69%	SD 2.51%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma									
		0/50 (0%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	1/100 (1%)	0/50 (0%)		
		1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		2/50 (4%)	0/50 (0%)	0/50 (0%)	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%)		
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		3/50 (6%)							
Overall Incidence	Total	20/1449 (1.38%)	Mean 1.39%	SD 1.52%	Total	8/1348 (0.59%)	Mean 0.58%	SD 0.9%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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

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

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		Male				Female			
*Lung:									
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma									
		4/50 (8%)	5/100 (5%)	1/50 (2%)	4/50 (8%)	7/100 (7%)			
		2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)		
		3/50 (6%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	3/50 (6%)	0/50 (0%)		
		4/50 (8%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		4/50 (8%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		3/50 (6%)	1/49 (2%)	1/50 (2%)	4/50 (8%)	1/50 (2%)	0/50 (0%)		
		2/50 (4%)	4/50 (8%)	3/50 (6%)	0/49 (0%)	0/49 (0%)	1/50 (2%)		
		1/50 (2%)	2/50 (4%)	4/50 (8%)		2/50 (4%)	1/50 (2%)		
		4/50 (8%)			2/50 (4%)				
Overall Incidence	Total	58/1449 (4%)		Mean 3.97%	SD 2.7%	Total 33/1348 (2.45%)		Mean 2.27%	SD 2.62%
.....									
*Lung:									
Hemangiosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/49 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%	SD 0.38%	Total 0/1348 (0%)		Mean 0%	SD 0%
.....									
*Lung:									
Sarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/49 (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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%	SD 0.38%	Total 0/1348 (0%)		Mean 0%	SD 0%

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

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

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

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		Male				Female			
*Lung:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	1/100 (1%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	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%)	0/49 (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%)				
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.38%	Total	2/1348 (0.15%)	Mean 0.12%	SD 0.43%	
#Lymph Node, Mesenteric:									
Sarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%	
#Mammary Gland:									
Adenoma									
		0/50 (0%)	0/100 (0%)	1/50 (2%)	2/50 (4%)	1/100 (1%)			
		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%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	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%)	2/49 (4%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)
		0/50 (0%)			3/50 (6%)				
Overall Incidence	Total	7/1449 (0.48%)	Mean 0.5%	SD 1.05%	Total	15/1350 (1.11%)	Mean 1.12%	SD 1.97%	

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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	Male					Female					
#Mammary Gland: Carcinoma											
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	1/100	(1%)	
	2/50	(4%)	1/50	(2%)	0/50	(0%)	10/50	(20%)	5/50	(10%)	
	0/50	(0%)	1/50	(2%)	0/50	(0%)	4/50	(8%)	3/50	(6%)	
	0/50	(0%)	2/50	(4%)	0/50	(0%)	2/50	(4%)	2/50	(4%)	
	0/50	(0%)	2/50	(4%)	0/50	(0%)	4/50	(8%)	5/50	(10%)	
	0/50	(0%)	0/50	(0%)	0/50	(0%)	4/50	(8%)	2/50	(4%)	
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	7/50	(14%)	
	0/50	(0%)	0/50	(0%)	0/50	(0%)	4/50	(8%)	2/50	(4%)	
	0/50	(0%)	1/50	(2%)	1/50	(2%)			3/50	(6%)	
	0/50	(0%)					3/50	(6%)			
Overall Incidence	Total	10/1449	(0.69%)	Mean	0.71%	SD	1.36%	Total	78/1350	(5.78%)	
								Mean	5.96%	SD	4.6%
#Mammary Gland: Carcinoma or Adenoma											
	0/50	(0%)	0/100	(0%)	1/50	(2%)	2/50	(4%)	2/100	(2%)	
	2/50	(4%)	2/50	(4%)	0/50	(0%)	10/50	(20%)	5/50	(10%)	
	0/50	(0%)	1/50	(2%)	1/50	(2%)	4/50	(8%)	3/50	(6%)	
	1/50	(2%)	2/50	(4%)	0/50	(0%)	2/50	(4%)	3/50	(6%)	
	0/50	(0%)	2/50	(4%)	0/50	(0%)	4/50	(8%)	5/50	(10%)	
	0/50	(0%)	0/50	(0%)	0/50	(0%)	4/50	(8%)	2/50	(4%)	
	0/50	(0%)	2/49	(4%)	0/50	(0%)	0/50	(0%)	10/50	(20%)	
	0/50	(0%)	0/50	(0%)	0/50	(0%)	4/50	(8%)	3/50	(6%)	
	1/50	(2%)	1/50	(2%)	1/50	(2%)			3/50	(6%)	
	0/50	(0%)					6/50	(12%)			
Overall Incidence	Total	17/1449	(1.17%)	Mean	1.22%	SD	1.58%	Total	92/1350	(6.81%)	
								Mean	7%	SD	4.81%
#Mammary Gland: Fibroadenoma											
	2/50	(4%)	3/100	(3%)	0/50	(0%)	27/50	(54%)	55/100	(55%)	
	0/50	(0%)	2/50	(4%)	0/50	(0%)	24/50	(48%)	25/50	(50%)	
	1/50	(2%)	1/50	(2%)	2/50	(4%)	36/50	(72%)	20/50	(40%)	
	2/50	(4%)	3/50	(6%)	1/50	(2%)	33/50	(66%)	22/50	(44%)	
	4/50	(8%)	2/50	(4%)	2/50	(4%)	26/50	(52%)	22/50	(44%)	
	0/50	(0%)	3/50	(6%)	1/50	(2%)	26/50	(52%)	24/50	(48%)	
	0/50	(0%)	1/49	(2%)	2/50	(4%)	17/50	(34%)	26/50	(52%)	
	3/50	(6%)	2/50	(4%)	3/50	(6%)	19/50	(38%)	16/50	(32%)	
	1/50	(2%)	4/50	(8%)	6/50	(12%)			32/50	(64%)	
	2/50	(4%)					33/50	(66%)			
Overall Incidence	Total	53/1449	(3.66%)	Mean	3.68%	SD	2.82%	Total	688/1350	(50.96%)	
								Mean	50.81%	SD	13.83%

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

		Male				Female			
#Mammary Gland:									
Fibroma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/1449 (0.14%)		Mean 0.14%	SD 0.52%	Total 1/1350 (0.07%)		Mean 0.08%	SD 0.39%

#Mammary Gland:									
Fibroma, Fibroadenoma or Adenoma									
		2/50 (4%)	3/100 (3%)	1/50 (2%)	28/50 (56%)	55/100 (55%)	12/50 (24%)		
		0/50 (0%)	3/50 (6%)	0/50 (0%)	24/50 (48%)	25/50 (50%)	15/50 (30%)		
		1/50 (2%)	1/50 (2%)	4/50 (8%)	36/50 (72%)	20/50 (40%)	15/50 (30%)		
		4/50 (8%)	3/50 (6%)	1/50 (2%)	33/50 (66%)	23/50 (46%)	30/50 (60%)		
		4/50 (8%)	2/50 (4%)	2/50 (4%)	26/50 (52%)	22/50 (44%)	29/50 (58%)		
		0/50 (0%)	3/50 (6%)	1/50 (2%)	26/50 (52%)	24/50 (48%)	22/50 (44%)		
		0/50 (0%)	3/49 (6%)	2/50 (4%)	17/50 (34%)	28/50 (56%)	25/50 (50%)		
		3/50 (6%)	2/50 (4%)	3/50 (6%)	19/50 (38%)	17/50 (34%)	43/50 (86%)		
		2/50 (4%)	4/50 (8%)	6/50 (12%)	32/50 (64%)	31/50 (62%)			
		2/50 (4%)			35/50 (70%)				
Overall Incidence	Total	62/1449 (4.28%)		Mean 4.33%	SD 2.95%	Total 697/1350 (51.63%)		Mean 51.5%	SD 14.02%

#Mammary Gland:									
Fibroma, Fibroadenoma, Carcinoma, or Adenoma									
		2/50 (4%)	3/100 (3%)	1/50 (2%)	28/50 (56%)	56/100 (56%)	14/50 (28%)		
		2/50 (4%)	4/50 (8%)	0/50 (0%)	31/50 (62%)	29/50 (58%)	16/50 (32%)		
		1/50 (2%)	1/50 (2%)	4/50 (8%)	37/50 (74%)	22/50 (44%)	16/50 (32%)		
		4/50 (8%)	5/50 (10%)	1/50 (2%)	35/50 (70%)	24/50 (48%)	30/50 (60%)		
		4/50 (8%)	4/50 (8%)	2/50 (4%)	28/50 (56%)	26/50 (52%)	30/50 (60%)		
		0/50 (0%)	3/50 (6%)	1/50 (2%)	28/50 (56%)	25/50 (50%)	24/50 (48%)		
		0/50 (0%)	3/49 (6%)	2/50 (4%)	17/50 (34%)	31/50 (62%)	27/50 (54%)		
		3/50 (6%)	2/50 (4%)	3/50 (6%)	23/50 (46%)	19/50 (38%)	43/50 (86%)		
		2/50 (4%)	5/50 (10%)	6/50 (12%)	32/50 (64%)	31/50 (62%)			
		2/50 (4%)			37/50 (74%)				
Overall Incidence	Total	70/1449 (4.83%)		Mean 4.9%	SD 3.21%	Total 743/1350 (55.04%)		Mean 55%	SD 13.45%

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female								
#Mesentery:														
Fibrosarcoma														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	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%)					
Overall Incidence	Total	0/1449 (0%)		Mean	0%	SD	0%	Total	1/1350 (0.07%)		Mean	0.08%	SD	0.39%
.....														
#Mesentery:														
Hemangiosarcoma														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	2/1449 (0.14%)		Mean	0.14%	SD	0.52%	Total	0/1350 (0%)		Mean	0%	SD	0%
.....														
#Mesentery:														
Lipoma														
		0/50	(0%)	1/100	(1%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	1/1449 (0.07%)		Mean	0.04%	SD	0.19%	Total	0/1350 (0%)		Mean	0%	SD	0%

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

		Male				Female								
#Mesentery:														
Liposarcoma														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/1449 (0%)		Mean	0%	SD	0%	Total	1/1350 (0.07%)		Mean	0.08%	SD	0.39%

#Mesentery:														
Osteosarcoma														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		1/50	(2%)					0/50	(0%)					
Overall Incidence	Total	1/1449 (0.07%)		Mean	0.07%	SD	0.38%	Total	0/1350 (0%)		Mean	0%	SD	0%

#Mesentery:														
Rhabdomyosarcoma														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)	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%)					
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

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	Male					Female								
*Nose:														
Adenoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/46	(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%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)				
	1/50	(2%)	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%)				
	0/49	(0%)					0/50	(0%)						
Overall Incidence	Total	2/1440	(0.14%)	Mean	0.14%	SD	0.52%	Total	0/1343	(0%)	Mean	0%	SD	0%
*Nose:														
Chondroma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)				
	0/46	(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%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(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%)				
	0/49	(0%)					0/50	(0%)						
Overall Incidence	Total	0/1440	(0%)	Mean	0%	SD	0%	Total	2/1343	(0.15%)	Mean	0.15%	SD	0.54%
*Nose:														
Sarcoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/46	(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%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)				
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)				
	0/50	(0%)	0/49	(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%)				
	0/49	(0%)					0/50	(0%)						
Overall Incidence	Total	1/1440	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1343	(0%)	Mean	0%	SD	0%

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

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

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

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		Male				Female			
*Nose:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)
		0/46 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (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%)	0/49 (0%)	0/49 (0%)
		0/50 (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%)	0/49 (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%)
		0/49 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/1440 (0.07%)		Mean 0.07%	SD 0.38%	Total	0/1343 (0%)		Mean 0% SD 0%

#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Papilloma Squamous or Papilloma									
		1/50 (2%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	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%)	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%)	0/49 (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%)	1/50 (2%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	6/1449 (0.41%)		Mean 0.39%	SD 0.79%	Total	7/1350 (0.52%)		Mean 0.54% SD 1.07%

#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):									
Squamous Cell Carcinoma									
		0/50 (0%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	0/50 (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%)	1/50 (2%)	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%)	0/49 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	4/1449 (0.28%)		Mean 0.25%	SD 0.65%	Total	7/1350 (0.52%)		Mean 0.54% SD 1.07%

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

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

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

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	Male						Female					
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):												
Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma												
	1/50	(2%)	2/100	(2%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	3/50	(6%)	3/50 (6%)	
	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%)	0/50 (0%)	
	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%)	0/50	(0%)	0/50 (0%)	
	1/50	(2%)	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%)	
	1/50	(2%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50 (2%)	
	0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	10/1449 (0.69%)	Mean	0.64%	SD	0.95%	Total	14/1350 (1.04%)	Mean	1.08%	SD 1.81%	

#Oral Mucosa:												
Squamous Cell Carcinoma												
	0/50	(0%)	1/100	(1%)	0/50	(0%)	0/50	(0%)	0/100	(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%)	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%)	
	0/50	(0%)	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%)				
Overall Incidence	Total	4/1449 (0.28%)	Mean	0.25%	SD	0.65%	Total	5/1350 (0.37%)	Mean	0.38%	SD 0.8%	

#Oral Mucosa:												
Squamous Cell Papilloma												
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/50 (0%)	
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	1/50 (2%)	
	0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50 (0%)	
	0/50	(0%)					0/50	(0%)				
Overall Incidence	Total	2/1449 (0.14%)	Mean	0.14%	SD	0.52%	Total	2/1350 (0.15%)	Mean	0.15%	SD 0.54%	

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

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

Toxicology Data Management System
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	Male			Female		
*Ovary:						
Cystadenoma						
	0/50	(0%)	1/100	(1%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/49	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/1349	(0.07%)	Mean	0.04%	SD 0.2%
*Ovary:						
Granulosa Cell Tumor Benign						
	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	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%)
Overall Incidence	Total	2/1349	(0.15%)	Mean	0.15%	SD 0.54%
*Ovary:						
Granulosa Cell Tumor Malignant						
	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	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%)
Overall Incidence	Total	1/1349	(0.07%)	Mean	0.08%	SD 0.39%

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

Version: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
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	Male			Female		
*Ovary:						
Granulosa Cell Tumor: Benign, Malignant, NOS						
	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	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%)
	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%)				
Overall Incidence	Total		3/1349	(0.22%)	Mean	0.23%
					SD	0.65%
.....						
*Ovary:						
Granulosa-Theca Tumor Benign						
	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/49	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total		1/1349	(0.07%)	Mean	0.08%
					SD	0.39%
.....						
*Ovary:						
Granulosa-Theca Tumor Malignant						
	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/49	(0%)
	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%)
Overall Incidence	Total		1/1349	(0.07%)	Mean	0.08%
					SD	0.39%

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

Version: Mar2007
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				Male				Female			
*Ovary:											
Sarcoma											
					0/50	(0%)		0/100	(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%)
Overall Incidence					Total		1/1349	Mean 0.08%		SD 0.39%	
.....											
*Ovary:											
Thecoma Malignant											
					0/50	(0%)		0/100	(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%)
Overall Incidence					Total		1/1349	Mean 0.08%		SD 0.39%	
.....											
*Pancreas:											
Adenoma											
		0/50	(0%)	1/100	(1%)	0/49	(0%)	0/50	(0%)	0/100	(0%)
		0/50	(0%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
		0/44	(0%)	0/50	(0%)	0/50	(0%)	1/47	(2%)	0/50	(0%)
		0/50	(0%)	10/50	(20%)	1/50	(2%)	0/50	(0%)	1/50	(2%)
		7/50	(14%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/49	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)	2/50	(4%)	0/49	(0%)	0/50	(0%)
		3/49	(6%)	0/48	(0%)	1/49	(2%)	0/47	(0%)	0/50	(0%)
		0/49	(0%)					2/50	(4%)		
Overall Incidence	Total	31/1436 (2.16%)		Mean	2.19%		SD	4.61%		Total	6/1340 (0.45%)
										Mean	0.47%
										SD	1.04%

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

Version: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
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Toxicology Data Management System
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		Male				Female			
*Pancreas:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/44 (2%)	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%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/49 (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%)	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%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/47 (0%)	0/50 (0%)
		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	2/1436 (0.14%)		Mean 0.15%	SD 0.56%	Total	0/1340 (0%)		Mean 0%
									SD 0%
*Pancreas:									
Carcinoma or Adenoma									
		0/50 (0%)	1/100 (1%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)
		1/44 (2%)	0/50 (0%)	0/50 (0%)	1/47 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	10/50 (20%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		8/50 (16%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	1/49 (2%)
		1/49 (2%)	1/50 (2%)	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%)	0/50 (0%)	0/49 (0%)	0/49 (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%)
		3/49 (6%)	0/48 (0%)	1/49 (2%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)				2/50 (4%)			
Overall Incidence	Total	33/1436 (2.3%)		Mean 2.34%	SD 4.79%	Total	6/1340 (0.45%)		Mean 0.47%
									SD 1.04%
*Pancreas:									
Mixed Tumor Benign									
		1/50 (2%)	1/100 (1%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/44 (5%)	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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (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%)	0/49 (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%)	0/48 (0%)	0/49 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	7/1436 (0.49%)		Mean 0.49%	SD 1.21%	Total	0/1340 (0%)		Mean 0%
									SD 0%

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

Version: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
*Parathyroid Gland:									
Adenoma									
		0/49 (0%)	0/92 (0%)	1/46 (2%)		0/47 (0%)	0/90 (0%)		
		0/45 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/49 (0%)	0/45 (0%)	
		1/45 (2%)	0/46 (0%)	0/46 (0%)		0/49 (0%)	0/49 (0%)	1/46 (2%)	
		0/48 (0%)	0/50 (0%)	0/49 (0%)		0/46 (0%)	0/49 (0%)	0/48 (0%)	
		0/47 (0%)	0/49 (0%)	0/50 (0%)		0/47 (0%)	0/46 (0%)	0/47 (0%)	
		0/47 (0%)	1/48 (2%)	0/47 (0%)		0/49 (0%)	0/50 (0%)	0/43 (0%)	
		1/45 (2%)	0/47 (0%)	0/49 (0%)		0/47 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)	0/49 (0%)	0/44 (0%)		0/49 (0%)	0/45 (0%)	0/42 (0%)	
		0/48 (0%)	0/50 (0%)	1/46 (2%)			0/50 (0%)	0/42 (0%)	
		0/49 (0%)				0/47 (0%)			
Overall Incidence	Total	5/1379 (0.36%)	Mean 0.39%	SD 0.85%	Total	1/1269 (0.08%)	Mean 0.08%	SD 0.43%	
#Peripheral Nerve:									
Sarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%	
#Peripheral Nerve:									
Schwannoma Malignant									
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		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%)	
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups
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	Male				Female			
#Peripheral Nerve:								
Schwannoma: Benign, Malignant, NOS								
	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Distalis or Unspecified Site:								
Adenoma								
	10/50 (20%)	21/100 (21%)	20/50 (40%)	17/50 (34%)	35/100 (35%)	33/50 (66%)		
	36/50 (72%)	27/50 (54%)	29/50 (58%)	35/50 (70%)	34/50 (68%)	21/50 (42%)		
	15/47 (32%)	36/50 (72%)	19/50 (38%)	20/48 (42%)	37/50 (74%)	24/50 (48%)		
	11/50 (22%)	12/50 (24%)	15/50 (30%)	22/50 (44%)	19/50 (38%)	21/50 (42%)		
	19/50 (38%)	35/50 (70%)	25/50 (50%)	25/50 (50%)	24/49 (49%)	36/50 (72%)		
	9/50 (18%)	16/49 (33%)	34/49 (69%)	23/50 (46%)	29/48 (60%)	35/50 (70%)		
	6/50 (12%)	36/49 (73%)	35/50 (70%)	25/50 (50%)	30/50 (60%)	30/49 (61%)		
	38/50 (76%)	35/50 (70%)	23/48 (48%)	27/49 (55%)	31/49 (63%)	28/50 (56%)		
	22/49 (45%)	23/50 (46%)	24/50 (48%)		26/50 (52%)	27/49 (55%)		
	16/48 (33%)			23/49 (47%)				
Overall Incidence	Total	647/1439 (44.96%)	Mean 45.81%	SD 19.97%	Total	716/1340 (53.43%)	Mean 54.14%	SD 11.7%
*Pituitary Gland: Pars Distalis or Unspecified Site:								
Carcinoma								
	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	3/50 (6%)		
	0/50 (0%)	0/50 (0%)	5/50 (10%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
	0/47 (0%)	0/50 (0%)	1/50 (2%)	1/48 (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%)		
	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
	0/50 (0%)	0/49 (0%)	0/49 (0%)	2/50 (4%)	0/48 (0%)	0/50 (0%)		
	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
	1/50 (2%)	0/50 (0%)	0/48 (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%)		
	0/48 (0%)			1/49 (2%)				
Overall Incidence	Total	7/1439 (0.49%)	Mean 0.5%	SD 1.93%	Total	11/1340 (0.82%)	Mean 0.85%	SD 1.62%

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

Version: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
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		Male				Female			
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma or Adenoma									
		10/50 (20%)	21/100 (21%)	20/50 (40%)	17/50 (34%)	35/100 (35%)			
		36/50 (72%)	27/50 (54%)	34/50 (68%)	36/50 (72%)	34/50 (68%)	36/50 (72%)		
		15/47 (32%)	36/50 (72%)	20/50 (40%)	21/48 (44%)	37/50 (74%)	21/50 (42%)		
		11/50 (22%)	12/50 (24%)	15/50 (30%)	24/50 (48%)	19/50 (38%)	25/50 (50%)		
		19/50 (38%)	35/50 (70%)	25/50 (50%)	25/50 (50%)	24/49 (49%)	36/50 (72%)		
		9/50 (18%)	16/49 (33%)	34/49 (69%)	25/50 (50%)	29/48 (60%)	35/50 (70%)		
		6/50 (12%)	36/49 (73%)	35/50 (70%)	25/50 (50%)	30/50 (60%)	30/49 (61%)		
		39/50 (78%)	35/50 (70%)	23/48 (48%)	27/49 (55%)	31/49 (63%)	28/50 (56%)		
		22/49 (45%)	23/50 (46%)	24/50 (48%)		26/50 (52%)	27/49 (55%)		
		16/48 (33%)			24/49 (49%)				
Overall Incidence	Total	654/1439 (45.45%)	Mean 46.31%	SD 20.37%	Total	727/1340 (54.25%)	Mean 54.99%	SD 11.73%	

*Pituitary Gland: Pars Intermedia:									
Adenoma									
		0/50 (0%)	0/100 (0%)	1/50 (2%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/47 (0%)	0/50 (0%)	1/50 (2%)	0/48 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	
		0/48 (0%)			1/49 (2%)				
Overall Incidence	Total	7/1439 (0.49%)	Mean 0.5%	SD 1.04%	Total	3/1340 (0.22%)	Mean 0.23%	SD 0.66%	

*Pituitary Gland: Pars Intermedia:									
Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/47 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (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%)	0/49 (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%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/48 (0%)			0/49 (0%)				
Overall Incidence	Total	1/1439 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
*Pituitary Gland: Pars Intermedia:									
Carcinoma or Adenoma									
		0/50 (0%)	0/100 (0%)	1/50 (2%)		0/50 (0%)	0/100 (0%)		
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/47 (0%)	0/50 (0%)	1/50 (2%)		0/48 (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%)	0/49 (0%)	0/50 (0%)	
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/50 (0%)	0/48 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)			1/50 (2%)	0/49 (0%)	
		0/48 (0%)				1/49 (2%)			
Overall Incidence	Total	8/1439 (0.56%)		Mean 0.57%	SD 1.32%	Total 3/1340 (0.22%)		Mean 0.23%	SD 0.66%
.....									
*Prostate:									
Adenoma									
		0/49 (0%)	4/100 (4%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	1/50 (2%)					
		1/48 (2%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	2/49 (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%)	0/49 (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%)							
Overall Incidence	Total	9/1444 (0.62%)		Mean 0.51%	SD 1.18%				
.....									
*Prostate:									
Carcinoma or Adenoma									
		0/49 (0%)	4/100 (4%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	1/50 (2%)					
		1/48 (2%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	2/49 (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%)	0/49 (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%)							
Overall Incidence	Total	9/1444 (0.62%)		Mean 0.51%	SD 1.18%				

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

Version: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
*Salivary Glands:									
Sarcoma									
		0/49 (0%)	0/100 (0%)	0/49 (0%)	0/50 (0%)	0/100 (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%)
		0/49 (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%)	0/50 (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%)	0/49 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/1443 (0.07%)	Mean 0.07%	SD 0.39%	Total	0/1347 (0%)	Mean 0%	SD 0%	

*Salivary Glands:									
Schwannoma Malignant									
		1/49 (2%)	0/100 (0%)	0/49 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	1/50 (2%)	0/49 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	3/1443 (0.21%)	Mean 0.22%	SD 0.63%	Total	0/1347 (0%)	Mean 0%	SD 0%	

#Skeletal Muscle:									
Fibrosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)			
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
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	Male					Female				
#Skeletal Muscle:										
Hemangioma										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	2/1449	(0.14%)	Mean	0.14%	SD	0.52%	Total	0/1350	(0%)
									Mean	0%
									SD	0%
#Skeletal Muscle:										
Hemangiosarcoma										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	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%)
Overall Incidence	Total	1/1449	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(0%)
									Mean	0%
									SD	0%
#Skeletal Muscle:										
Lipoma										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	1/100	(1%)
	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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)			0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/1449	(0.07%)	Mean	0.07%	SD	0.38%	Total	1/1350	(0.07%)
									Mean	0.04%
									SD	0.2%

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

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

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

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		Male				Female			
#Skeletal Muscle:									
Rhabdomyosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	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%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%	SD 0.38%	Total 2/1350 (0.15%)		Mean 0.15%	SD 0.54%

#Skeletal Muscle:									
Rhabdomyosarcoma or Rhabdomyoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	0/50 (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%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%	SD 0.38%	Total 2/1350 (0.15%)		Mean 0.15%	SD 0.54%

#Skeletal Muscle:									
Sarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	
Overall Incidence	Total	3/1449 (0.21%)		Mean 0.21%	SD 0.63%	Total 0/1350 (0%)		Mean 0%	SD 0%

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

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

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

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	Male				Female					
#Skin:										
Basal Cell Adenoma										
	0/50	(0%)	1/100	(1%)	0/50	(0%)	0/100	(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%)	1/50	(2%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)		
	0/50	(0%)	1/49	(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%)	2/50	(4%)	0/50	(0%)		
	0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	12/1449	(0.83%)	Mean 0.82%	SD 1.13%	Total	4/1350	(0.3%)	Mean 0.31%	SD 0.74%
#Skin:										
Basal Cell Adenoma or Basosquamous Tumor Benign										
	0/50	(0%)	1/100	(1%)	0/50	(0%)	0/100	(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%)	1/50	(2%)	0/50	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)		
	0/50	(0%)	1/49	(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%)	2/50	(4%)	0/50	(0%)		
	0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	12/1449	(0.83%)	Mean 0.82%	SD 1.13%	Total	4/1350	(0.3%)	Mean 0.31%	SD 0.74%
#Skin:										
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma										
	0/50	(0%)	2/100	(2%)	0/50	(0%)	0/100	(0%)		
	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)		
	1/50	(2%)	1/50	(2%)	1/50	(2%)	2/50	(4%)		
	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%)		
	0/50	(0%)	0/50	(0%)	3/50	(6%)	0/50	(0%)		
	1/50	(2%)	1/50	(2%)	2/50	(4%)	0/50	(0%)		
	1/50	(2%)					2/50	(4%)		
Overall Incidence	Total	21/1449	(1.45%)	Mean 1.43%	SD 1.43%	Total	10/1350	(0.74%)	Mean 0.77%	SD 1.27%

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

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

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

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	Male					Female				
#Skin:										
Basal Cell Carcinoma										
	0/50	(0%)	1/100	(1%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	0/50	(0%)	0/50	(0%)	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%)	1/50	(2%)	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%)	1/50	(2%)	2/50	(4%)			0/50	(0%)
	0/50	(0%)					1/50	(2%)		
Overall Incidence	Total	7/1449	(0.48%)	Mean	0.46%	SD	1%	Total	4/1350	(0.3%)
									Mean	0.31%
									SD	0.74%
#Skin:										
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)										
	0/50	(0%)	1/100	(1%)	0/50	(0%)	0/50	(0%)	0/100	(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%)	1/50	(2%)	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%)	1/50	(2%)	2/50	(4%)			0/50	(0%)
	0/50	(0%)					1/50	(2%)		
Overall Incidence	Total	7/1449	(0.48%)	Mean	0.46%	SD	1%	Total	4/1350	(0.3%)
									Mean	0.31%
									SD	0.74%
#Skin:										
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma										
	0/50	(0%)	3/100	(3%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)	1/50	(2%)	1/50	(2%)	2/50	(4%)	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%)	2/50	(4%)	1/50	(2%)
	1/50	(2%)	1/49	(2%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
	0/50	(0%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
	2/50	(4%)	2/50	(4%)	4/50	(8%)			0/50	(0%)
	1/50	(2%)					3/50	(6%)		
Overall Incidence	Total	28/1449	(1.93%)	Mean	1.89%	SD	1.89%	Total	14/1350	(1.04%)
									Mean	1.08%
									SD	1.72%

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

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

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

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Male					Female					
#Skin:										
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma										
	11/50	(22%)	8/100	(8%)	1/50	(2%)	3/50	(6%)	0/100	(0%)
	5/50	(10%)	3/50	(6%)	4/50	(8%)	0/50	(0%)	1/50	(2%)
	1/50	(2%)	2/50	(4%)	4/50	(8%)	0/50	(0%)	0/50	(0%)
	10/50	(20%)	5/50	(10%)	4/50	(8%)	4/50	(8%)	1/50	(2%)
	8/50	(16%)	0/50	(0%)	7/50	(14%)	0/50	(0%)	0/50	(0%)
	2/50	(4%)	3/50	(6%)	2/50	(4%)	2/50	(4%)	2/50	(4%)
	3/50	(6%)	5/49	(10%)	2/50	(4%)	1/50	(2%)	1/50	(2%)
	1/50	(2%)	5/50	(10%)	6/50	(12%)	1/50	(2%)	0/50	(0%)
	4/50	(8%)	7/50	(14%)	11/50	(22%)	1/50	(2%)	0/50	(0%)
	5/50	(10%)					3/50	(6%)	0/50	(0%)
Overall Incidence	Total	129/1449	(8.9%)	Mean 8.94%	SD 5.88%	Total	25/1350	(1.85%)	Mean 1.92%	SD 2.37%

#Skin:										
Fibroma										
	5/50	(10%)	7/100	(7%)	1/50	(2%)	3/50	(6%)	1/100	(1%)
	3/50	(6%)	2/50	(4%)	5/50	(10%)	0/50	(0%)	0/50	(0%)
	6/50	(12%)	5/50	(10%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
	6/50	(12%)	4/50	(8%)	5/50	(10%)	1/50	(2%)	2/50	(4%)
	5/50	(10%)	4/50	(8%)	6/50	(12%)	0/50	(0%)	0/50	(0%)
	2/50	(4%)	8/50	(16%)	4/50	(8%)	1/50	(2%)	1/50	(2%)
	3/50	(6%)	3/49	(6%)	2/50	(4%)	2/50	(4%)	1/50	(2%)
	2/50	(4%)	2/50	(4%)	7/50	(14%)	0/50	(0%)	1/50	(2%)
	6/50	(12%)	5/50	(10%)	8/50	(16%)	0/50	(0%)	1/50	(2%)
	9/50	(18%)					4/50	(8%)	0/50	(0%)
Overall Incidence	Total	126/1449	(8.7%)	Mean 8.75%	SD 4.31%	Total	25/1350	(1.85%)	Mean 1.88%	SD 1.93%

#Skin:										
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma										
	6/50	(12%)	12/100	(12%)	4/50	(8%)	4/50	(8%)	1/100	(1%)
	3/50	(6%)	4/50	(8%)	5/50	(10%)	1/50	(2%)	2/50	(4%)
	9/50	(18%)	6/50	(12%)	3/50	(6%)	1/50	(2%)	0/50	(0%)
	7/50	(14%)	7/50	(14%)	6/50	(12%)	1/50	(2%)	2/50	(4%)
	7/50	(14%)	5/50	(10%)	8/50	(16%)	0/50	(0%)	0/50	(0%)
	2/50	(4%)	8/50	(16%)	5/50	(10%)	1/50	(2%)	1/50	(2%)
	4/50	(8%)	4/49	(8%)	3/50	(6%)	3/50	(6%)	2/50	(4%)
	3/50	(6%)	6/50	(12%)	8/50	(16%)	0/50	(0%)	1/50	(2%)
	7/50	(14%)	6/50	(12%)	9/50	(18%)	1/50	(2%)	1/50	(2%)
	10/50	(20%)					4/50	(8%)	0/50	(0%)
Overall Incidence	Total	167/1449	(11.53%)	Mean 11.51%	SD 4.2%	Total	35/1350	(2.59%)	Mean 2.65%	SD 2.28%

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

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

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

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		Male				Female			
#Skin:									
Fibrosarcoma									
		0/50 (0%)	6/100 (6%)	2/50 (4%)		1/50 (2%)	0/100 (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%)	2/50 (4%)		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%)	1/50 (2%)	3/50 (6%)		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%)	1/49 (2%)	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%)	0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	28/1449 (1.93%)	Mean 1.79%	SD 1.99%	Total	7/1350 (0.52%)	Mean 0.54%	SD 0.9%	

#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma									
		1/50 (2%)	6/100 (6%)	3/50 (6%)		1/50 (2%)	0/100 (0%)		
		0/50 (0%)	2/50 (4%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
		3/50 (6%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	3/50 (6%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)	3/50 (6%)		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%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	2/50 (4%)	
		1/50 (2%)	4/50 (8%)	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%)	
		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	43/1449 (2.97%)	Mean 2.86%	SD 2.14%	Total	10/1350 (0.74%)	Mean 0.77%	SD 1.27%	

#Skin:									
Fibrous Histiocytoma									
		1/50 (2%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (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%)	
		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%)	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%)			
Overall Incidence	Total	6/1449 (0.41%)	Mean 0.43%	SD 1%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.54%	

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

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

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 Tumor Incidence for Selected Control Animal Groups
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	Male					Female				
#Skin:										
Hemangioma										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/49	(0%)	0/50	(0%)	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%)		
Overall Incidence	Total	1/1449	(0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350	(0%)
									Mean	0%
									SD	0%
#Skin:										
Hemangiosarcoma										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	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%)		
Overall Incidence	Total	0/1449	(0%)	Mean	0%	SD	0%	Total	1/1350	(0.07%)
									Mean	0.08%
									SD	0.39%
#Skin:										
Keratoacanthoma										
	10/50	(20%)	5/100	(5%)	1/50	(2%)	3/50	(6%)	0/100	(0%)
	4/50	(8%)	1/50	(2%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)	0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)
	8/50	(16%)	3/50	(6%)	2/50	(4%)	2/50	(4%)	1/50	(2%)
	7/50	(14%)	0/50	(0%)	3/50	(6%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
	2/50	(4%)	4/49	(8%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	4/50	(8%)	1/50	(2%)	1/50	(2%)	0/50	(0%)
	3/50	(6%)	3/50	(6%)	6/50	(12%)	0/50	(0%)	0/50	(0%)
	4/50	(8%)					0/50	(0%)		
Overall Incidence	Total	81/1449	(5.59%)	Mean	5.61%	SD	4.93%	Total	8/1350	(0.59%)
									Mean	0.62%
									SD	1.47%

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

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

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		Male				Female				
#Skin:										
Lipoma										
		0/50 (0%)	0/100 (0%)	1/50 (2%)		0/50 (0%)	0/100 (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%)		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%)		
		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%)	2/49 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		2/50 (4%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)		
		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	16/1449 (1.1%)		Mean 1.15%	SD 1.49%	Total	2/1350 (0.15%)		Mean 0.15%	SD 0.54%

#Skin:										
Liposarcoma										
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		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%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%	SD 0.38%	Total	1/1350 (0.07%)		Mean 0.08%	SD 0.39%

#Skin:										
Neural Crest Tumor										
		0/50 (0%)	0/100 (0%)	0/50 (0%)		0/50 (0%)	1/100 (1%)			
		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%)	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%)		
		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%)	1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
		1/50 (2%)				1/50 (2%)				
Overall Incidence	Total	6/1449 (0.41%)		Mean 0.43%	SD 0.84%	Total	3/1350 (0.22%)		Mean 0.19%	SD 0.57%

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female				
#Skin:										
Neurofibroma or Schwannoma benign										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	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%)		
Overall Incidence	Total	0/1449	(0%)	Mean 0%	SD 0%	Total	1/1350	(0.07%)	Mean 0.08%	SD 0.39%

#Skin:										
Neurofibrosarcoma or Schwannoma (malignant or NOS)										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(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%)
	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%)	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%)		
Overall Incidence	Total	7/1449	(0.48%)	Mean 0.5%	SD 1.04%	Total	3/1350	(0.22%)	Mean 0.23%	SD 0.86%

#Skin:										
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(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%)
	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%)	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%)	1/50	(2%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)					0/50	(0%)		
Overall Incidence	Total	7/1449	(0.48%)	Mean 0.5%	SD 1.04%	Total	4/1350	(0.3%)	Mean 0.31%	SD 0.93%

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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	Male					Female				
#Skin:										
Osteosarcoma										
	1/50	(2%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/1449 (0.07%)	Mean	0.07%	SD	0.38%	Total	0/1350 (0%)	Mean	0%

#Skin:										
Sarcoma										
	0/50	(0%)	0/100	(0%)	1/50	(2%)	0/50	(0%)	0/100	(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%)
	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%)
	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%)
Overall Incidence	Total	9/1449 (0.62%)	Mean	0.64%	SD	1.34%	Total	1/1350 (0.07%)	Mean	0.08%

#Skin:										
Schwannoma Benign										
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
	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%)
Overall Incidence	Total	0/1449 (0%)	Mean	0%	SD	0%	Total	1/1350 (0.07%)	Mean	0.08%

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

Version: Mar2007
 Contract/Lab: All Laboratories
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
#Skin:									
Schwannoma Malignant									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)		
		0/50 (0%)	1/50 (2%)	2/50 (4%)	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%)	
		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%)	
		1/50 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	7/1449 (0.48%)	Mean 0.5%	SD 1.04%	Total	3/1350 (0.22%)	Mean 0.23%	SD 0.86%	
.....									
#Skin:									
Squamous Cell Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	3/1449 (0.21%)	Mean 0.21%	SD 0.63%	Total	0/1350 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma									
		0/50 (0%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	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%)	0/50 (0%)	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%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)			1/50 (2%)				
Overall Incidence	Total	9/1449 (0.62%)	Mean 0.61%	SD 1.07%	Total	4/1350 (0.3%)	Mean 0.31%	SD 0.74%	

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

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

Toxicology Data Management System
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		Male				Female			
#Skin:									
Squamous Cell Papilloma									
		1/50 (2%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (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%)	4/50 (8%)	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%)	0/49 (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%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	20/1449 (1.38%)	Mean 1.43%	SD 1.95%	Total	3/1350 (0.22%)	Mean 0.23%	SD 0.65%	
.....									
#Skin:									
Squamous Cell Papilloma or Papilloma									
		1/50 (2%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (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%)	4/50 (8%)	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%)	0/49 (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%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	20/1449 (1.38%)	Mean 1.43%	SD 1.95%	Total	3/1350 (0.22%)	Mean 0.23%	SD 0.65%	
.....									
#Skin:									
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma									
		11/50 (22%)	5/100 (5%)	1/50 (2%)	3/50 (6%)	0/100 (0%)			
		4/50 (8%)	2/50 (4%)	4/50 (8%)	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%)	0/50 (0%)	0/50 (0%)
		9/50 (18%)	4/50 (8%)	3/50 (6%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		7/50 (14%)	0/50 (0%)	7/50 (14%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	4/49 (8%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	5/50 (10%)	4/50 (8%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	6/50 (12%)	7/50 (14%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		4/50 (8%)				0/50 (0%)			
Overall Incidence	Total	104/1449 (7.18%)	Mean 7.26%	SD 5.35%	Total	11/1350 (0.81%)	Mean 0.85%	SD 1.52%	

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

Version: Mar2007
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	Male				Female			
#Skin:								
Squamous Cell Papilloma, Papilloma, or Keratoacanthoma								
	11/50 (22%)	5/100 (5%)	1/50 (2%)	3/50 (6%)	0/100 (0%)			
	4/50 (8%)	2/50 (4%)	4/50 (8%)	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%)		
	9/50 (18%)	4/50 (8%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)		
	7/50 (14%)	0/50 (0%)	7/50 (14%)	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%)		
	2/50 (4%)	4/49 (8%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
	1/50 (2%)	5/50 (10%)	4/50 (8%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
	3/50 (6%)	5/50 (10%)	7/50 (14%)		1/50 (2%)	0/50 (0%)		
	4/50 (8%)			0/50 (0%)		0/50 (0%)		
Overall Incidence	Total 101/1449 (6.97%)	Mean 7.04%	SD 5.39%	Total 11/1350 (0.81%)	Mean 0.85%	SD 1.52%		
#Skin:								
Trichoepithelioma								
	0/50 (0%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	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%)	1/50 (2%)	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%)	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%)		
	1/50 (2%)			2/50 (4%)		0/50 (0%)		
Overall Incidence	Total 9/1449 (0.62%)	Mean 0.61%	SD 1.31%	Total 6/1350 (0.44%)	Mean 0.46%	SD 1.03%		
#Skin: Sebaceous Gland:								
Adenoma								
	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	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%)		
	1/50 (2%)	1/49 (2%)	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%)	0/50 (0%)		
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)		
	0/50 (0%)			0/50 (0%)		0/50 (0%)		
Overall Incidence	Total 11/1449 (0.76%)	Mean 0.79%	SD 1.37%	Total 0/1350 (0%)	Mean 0%	SD 0%		

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
#Skin: Sebaceous Gland: Carcinoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%	
#Skin: Sebaceous Gland: Carcinoma or Adenoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (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%)	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%)	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%)	1/49 (2%)	1/50 (2%)	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%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	12/1449 (0.83%)	Mean 0.86%	SD 1.38%	Total	0/1350 (0%)	Mean 0%	SD 0%	
#Spinal Cord: Astrocytoma Benign									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/1449 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	

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

Version: Mar2007
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female									
*Spleen:															
Hemangioma															
		0/50	(0%)	0/100	(0%)	0/49	(0%)	0/49	(0%)	0/100	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/43	(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%)				
		0/50	(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%)				
		0/48	(0%)	0/50	(0%)	0/49	(0%)			0/47	(0%)				
		0/48	(0%)					0/50	(0%)						
Overall Incidence	Total	1/1435 (0.07%)		Mean 0.07%		SD 0.38%		Total		0/1341 (0%)		Mean 0%		SD 0%	
.....															
*Spleen:															
Hemangiosarcoma															
		0/50	(0%)	0/100	(0%)	0/49	(0%)	0/49	(0%)	0/100	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/43	(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%)	0/50	(0%)	0/50	(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%)	0/50	(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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		1/48	(2%)	0/50	(0%)	0/49	(0%)			0/47	(0%)	0/50	(0%)		
		0/48	(0%)					0/50	(0%)						
Overall Incidence	Total	3/1435 (0.21%)		Mean 0.22%		SD 0.64%		Total		1/1341 (0.07%)		Mean 0.08%		SD 0.39%	
.....															
*Spleen:															
Leiomyosarcoma															
		0/50	(0%)	0/100	(0%)	0/49	(0%)	0/49	(0%)	0/100	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/43	(0%)	0/50	(0%)	0/50	(0%)	0/48	(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%)		
		0/49	(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%)	0/50	(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%)		
		0/48	(0%)	0/50	(0%)	0/49	(0%)			0/47	(0%)	0/50	(0%)		
		0/48	(0%)					0/50	(0%)						
Overall Incidence	Total	2/1435 (0.14%)		Mean 0.14%		SD 0.52%		Total		0/1341 (0%)		Mean 0%		SD 0%	

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

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

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

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		Male				Female						
#Stomach, Forestomach:												
Leiomyosarcoma												
		0/50	(0%)	0/100	(0%)	1/50	(2%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1350 (0%)		Mean 0%	SD 0%
#Stomach, Forestomach:												
Lipoma												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1350 (0%)		Mean 0%	SD 0%
#Stomach, Forestomach:												
Schwannoma Malignant												
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)					0/50	(0%)			
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
 Length of Study: CHRONIC

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

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		Male				Female								
#Stomach, Forestomach:														
Squamous Cell Carcinoma														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	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%)					
Overall Incidence	Total	0/1449 (0%)		Mean	0%	SD	0%	Total	1/1350 (0.07%)		Mean	0.08%	SD	0.39%
#Stomach, Forestomach:														
Squamous Cell Carcinoma or Papilloma Squamous														
		0/50	(0%)	1/100	(1%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)	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%)					
Overall Incidence	Total	3/1449 (0.21%)		Mean	0.18%	SD	0.55%	Total	5/1350 (0.37%)		Mean	0.38%	SD	0.98%
#Stomach, Forestomach:														
Squamous Cell Papilloma														
		0/50	(0%)	1/100	(1%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)	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%)					
Overall Incidence	Total	3/1449 (0.21%)		Mean	0.18%	SD	0.55%	Total	4/1350 (0.3%)		Mean	0.31%	SD	0.93%

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

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

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

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		Male				Female			
#Stomach, Glandular:									
Leiomyosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/1449 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%	

#Stomach, Glandular:									
Lipoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/1449 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%	

*Testes:									
Adenoma									
		45/50 (90%)	91/100 (91%)	49/50 (98%)					
		36/50 (72%)	40/50 (80%)	36/50 (72%)					
		45/50 (90%)	38/50 (76%)	44/50 (88%)					
		44/50 (88%)	41/50 (82%)	48/50 (96%)					
		46/50 (92%)	42/50 (84%)	41/50 (82%)					
		48/50 (96%)	46/50 (92%)	33/50 (66%)					
		47/50 (94%)	38/49 (78%)	41/50 (82%)					
		41/50 (82%)	36/50 (72%)	46/50 (92%)					
		45/50 (90%)	41/50 (82%)	49/50 (98%)					
		45/50 (90%)							
Overall Incidence	Total	1242/1449 (85.71%)	Mean 85.52%	SD 8.67%					

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

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

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

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		Male				Female			
*Thymus:									
Sarcoma									
		0/48 (0%)	0/87 (0%)	0/47 (0%)		0/50 (0%)	0/92 (0%)		
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/48 (0%)	0/50 (0%)	
		0/39 (0%)	0/48 (0%)	0/45 (0%)		0/48 (0%)	0/45 (0%)	0/45 (0%)	
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/48 (0%)	
		0/47 (0%)	0/49 (0%)	0/49 (0%)		0/47 (0%)	0/47 (0%)	0/50 (0%)	
		0/48 (0%)	0/48 (0%)	0/42 (0%)		0/48 (0%)	0/47 (0%)	0/50 (0%)	
		0/47 (0%)	0/47 (0%)	0/47 (0%)		0/49 (0%)	0/46 (0%)	0/45 (0%)	
		0/49 (0%)	0/49 (0%)	0/49 (0%)		0/47 (0%)	0/49 (0%)	0/50 (0%)	
		0/48 (0%)	1/49 (2%)	0/43 (0%)			0/49 (0%)	0/48 (0%)	
		0/48 (0%)				0/49 (0%)			
Overall Incidence	Total	1/1368 (0.07%)	Mean 0.07%	SD 0.39%	Total	0/1291 (0%)	Mean 0%	SD 0%	

*Thymus:									
Thymoma Benign									
		0/48 (0%)	1/87 (1%)	0/47 (0%)		0/50 (0%)	0/92 (0%)		
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/48 (0%)	0/50 (0%)	
		0/39 (0%)	0/48 (0%)	0/45 (0%)		1/48 (2%)	0/45 (0%)	0/45 (0%)	
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	1/48 (2%)	
		0/47 (0%)	0/49 (0%)	0/49 (0%)		0/47 (0%)	0/47 (0%)	1/50 (2%)	
		0/48 (0%)	0/48 (0%)	0/42 (0%)		0/48 (0%)	0/47 (0%)	1/50 (2%)	
		0/47 (0%)	1/47 (2%)	0/47 (0%)		0/49 (0%)	0/46 (0%)	0/45 (0%)	
		0/49 (0%)	0/49 (0%)	0/49 (0%)		0/47 (0%)	0/49 (0%)	0/50 (0%)	
		0/48 (0%)	1/49 (2%)	0/43 (0%)			0/49 (0%)	0/48 (0%)	
		0/48 (0%)				0/49 (0%)			
Overall Incidence	Total	3/1368 (0.22%)	Mean 0.19%	SD 0.58%	Total	4/1291 (0.31%)	Mean 0.31%	SD 0.75%	

*Thymus:									
Thymoma Malignant									
		0/48 (0%)	0/87 (0%)	0/47 (0%)		0/50 (0%)	1/92 (1%)		
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/48 (0%)	0/50 (0%)	
		0/39 (0%)	0/48 (0%)	0/45 (0%)		0/48 (0%)	0/45 (0%)	0/45 (0%)	
		0/49 (0%)	0/50 (0%)	0/48 (0%)		0/48 (0%)	0/48 (0%)	0/48 (0%)	
		0/47 (0%)	0/49 (0%)	0/49 (0%)		0/47 (0%)	0/47 (0%)	0/50 (0%)	
		0/48 (0%)	0/48 (0%)	0/42 (0%)		0/48 (0%)	0/47 (0%)	0/50 (0%)	
		0/47 (0%)	0/47 (0%)	0/47 (0%)		0/49 (0%)	0/46 (0%)	0/45 (0%)	
		1/49 (2%)	0/49 (0%)	0/49 (0%)		0/47 (0%)	0/49 (0%)	0/50 (0%)	
		0/48 (0%)	0/49 (0%)	0/43 (0%)			0/49 (0%)	0/48 (0%)	
		0/48 (0%)				0/49 (0%)			
Overall Incidence	Total	1/1368 (0.07%)	Mean 0.07%	SD 0.39%	Total	1/1291 (0.08%)	Mean 0.04%	SD 0.21%	

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

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

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

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		Male				Female			
*Thymus:									
Thymoma: Benign, Malignant, NOS									
		0/48 (0%)	1/87 (1%)	0/47 (0%)	0/50 (0%)	1/92 (1%)			
		0/49 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/48 (0%)	0/50 (0%)		
		0/39 (0%)	0/48 (0%)	0/45 (0%)	1/48 (2%)	0/45 (0%)	0/45 (0%)		
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/48 (0%)	0/48 (0%)	1/48 (2%)		
		0/47 (0%)	0/49 (0%)	0/49 (0%)	0/47 (0%)	0/47 (0%)	1/50 (2%)		
		0/48 (0%)	0/48 (0%)	0/42 (0%)	0/48 (0%)	0/47 (0%)	1/50 (2%)		
		0/47 (0%)	1/47 (2%)	0/47 (0%)	0/49 (0%)	0/46 (0%)	0/45 (0%)		
		1/49 (2%)	0/49 (0%)	0/49 (0%)	0/47 (0%)	0/49 (0%)	0/50 (0%)		
		0/48 (0%)	1/49 (2%)	0/43 (0%)		0/49 (0%)	0/48 (0%)		
		0/48 (0%)							
Overall Incidence	Total	4/1368 (0.29%)	Mean 0.26%	SD 0.67%	Total	5/1291 (0.39%)	Mean 0.36%	SD 0.76%	

*Thyroid Gland: C-Cell:									
Adenoma									
		10/50 (20%)	12/100 (12%)	6/50 (12%)	4/50 (8%)	11/100 (11%)			
		3/50 (6%)	7/50 (14%)	5/50 (10%)	3/50 (6%)	5/50 (10%)	3/50 (6%)		
		4/42 (10%)	2/50 (4%)	8/50 (16%)	6/45 (13%)	0/50 (0%)	11/50 (22%)		
		6/50 (12%)	4/50 (8%)	1/50 (2%)	5/50 (10%)	12/50 (24%)	11/50 (22%)		
		9/50 (18%)	1/50 (2%)	6/50 (12%)	7/50 (14%)	3/50 (6%)	7/50 (14%)		
		9/48 (19%)	11/47 (23%)	3/49 (6%)	9/49 (18%)	10/47 (21%)	2/50 (4%)		
		12/50 (24%)	4/49 (8%)	3/50 (6%)	5/50 (10%)	3/50 (6%)	8/49 (16%)		
		7/50 (14%)	1/50 (2%)	3/50 (6%)	3/49 (6%)	2/50 (4%)	6/49 (12%)		
		8/46 (17%)	6/50 (12%)	10/49 (20%)		6/50 (12%)	6/46 (13%)		
		9/47 (19%)							
Overall Incidence	Total	170/1427 (11.91%)	Mean 11.96%	SD 6.5%	Total	160/1331 (12.02%)	Mean 12.12%	SD 6.82%	

*Thyroid Gland: C-Cell:									
Carcinoma									
		1/50 (2%)	3/100 (3%)	1/50 (2%)	0/50 (0%)	3/100 (3%)			
		1/50 (2%)	0/50 (0%)	5/50 (10%)	0/50 (0%)	3/50 (6%)	2/50 (4%)		
		2/42 (5%)	1/50 (2%)	2/50 (4%)	1/45 (2%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)		
		6/50 (12%)	2/50 (4%)	2/50 (4%)	3/50 (6%)	1/50 (2%)	0/50 (0%)		
		1/48 (2%)	0/47 (0%)	0/49 (0%)	0/49 (0%)	1/47 (2%)	1/50 (2%)		
		0/50 (0%)	3/49 (6%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	2/49 (4%)		
		2/50 (4%)	0/50 (0%)	1/50 (2%)	1/49 (2%)	1/50 (2%)	1/49 (2%)		
		1/46 (2%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/46 (0%)		
		2/47 (4%)							
Overall Incidence	Total	40/1427 (2.8%)	Mean 2.8%	SD 2.86%	Total	26/1331 (1.95%)	Mean 1.91%	SD 1.8%	

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

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

Toxicology Data Management System
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		Male				Female			
*Thyroid Gland: C-Cell: Carcinoma or Adenoma									
		11/50 (22%)	15/100 (15%)	7/50 (14%)	4/50 (8%)	14/100 (14%)			
		3/50 (6%)	7/50 (14%)	10/50 (20%)	3/50 (6%)	8/50 (16%)	5/50 (10%)		
		6/42 (14%)	3/50 (6%)	10/50 (20%)	7/45 (16%)	1/50 (2%)	11/50 (22%)		
		6/50 (12%)	5/50 (10%)	1/50 (2%)	5/50 (10%)	13/50 (26%)	12/50 (24%)		
		15/50 (30%)	3/50 (6%)	8/50 (16%)	9/50 (18%)	4/50 (8%)	7/50 (14%)		
		10/48 (21%)	11/47 (23%)	3/49 (6%)	9/49 (18%)	11/47 (23%)	3/50 (6%)		
		12/50 (24%)	7/49 (14%)	4/50 (8%)	5/50 (10%)	5/50 (10%)	9/49 (18%)		
		9/50 (18%)	1/50 (2%)	4/50 (8%)	4/49 (8%)	3/50 (6%)	7/49 (14%)		
		9/46 (20%)	7/50 (14%)	11/49 (22%)		6/50 (12%)	6/46 (13%)		
		11/47 (23%)			13/47 (28%)				
Overall Incidence	Total	209/1427 (14.65%)	Mean 14.69%	SD 7.35%	Total	184/1331 (13.82%)	Mean 13.88%	SD 6.79%	

*Thyroid Gland: Follicular Cell: Adenoma									
		2/50 (4%)	1/100 (1%)	0/50 (0%)	0/50 (0%)	1/100 (1%)			
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/42 (2%)	1/50 (2%)	0/50 (0%)	0/45 (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%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/48 (2%)	0/47 (0%)	0/49 (0%)	0/49 (0%)	2/47 (4%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	
		0/46 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	1/46 (2%)		
		1/47 (2%)			0/47 (0%)				
Overall Incidence	Total	15/1427 (1.05%)	Mean 1.06%	SD 1.28%	Total	6/1331 (0.45%)	Mean 0.44%	SD 1.04%	

*Thyroid Gland: Follicular Cell: Carcinoma									
		0/50 (0%)	3/100 (3%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/42 (0%)	0/50 (0%)	2/50 (4%)	1/45 (2%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		
		1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/48 (0%)	0/47 (0%)	0/49 (0%)	1/49 (2%)	0/47 (0%)	0/50 (0%)		
		2/50 (4%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/49 (0%)	2/50 (4%)	0/49 (0%)		
		0/46 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/46 (0%)		
		0/47 (0%)			1/47 (2%)				
Overall Incidence	Total	18/1427 (1.26%)	Mean 1.18%	SD 1.52%	Total	11/1331 (0.83%)	Mean 0.86%	SD 1.3%	

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

Version: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: F 344/N
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		Male				Female			
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma									
		2/50 (4%)	4/100 (4%)	0/50 (0%)	0/50 (0%)	1/100 (1%)			
		2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		1/42 (2%)	1/50 (2%)	2/50 (4%)	1/45 (2%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		
		2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		1/48 (2%)	0/47 (0%)	0/49 (0%)	1/49 (2%)	2/47 (4%)	0/50 (0%)		
		3/50 (6%)	1/49 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/49 (0%)		
		1/50 (2%)	0/50 (0%)	3/50 (6%)	0/49 (0%)	2/50 (4%)	0/49 (0%)		
		0/46 (0%)	1/50 (2%)	0/49 (0%)		0/50 (0%)	1/46 (2%)		
		1/47 (2%)			1/47 (2%)				
Overall Incidence	Total	33/1427 (2.31%)	Mean 2.24%	SD 1.91%	Total	16/1331 (1.2%)	Mean 1.22%	SD 1.42%	
#Tissue NOS: Fibrosarcoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	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%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/1449 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.08%	SD 0.39%	
#Tissue NOS: Leiomyoma									
		0/50 (0%)	0/100 (0%)	0/50 (0%)	0/50 (0%)	0/100 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)			0/50 (0%)				
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
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 Strain: F 344/N
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Toxicology Data Management System
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		Male				Female							
#Tissue NOS:													
Lipoma													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.39%		Total	0/1350 (0%)	Mean 0%		SD 0%	

#Tissue NOS:													
Paraganglioma													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	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%)		
Overall Incidence	Total	1/1449 (0.07%)		Mean 0.07%		SD 0.38%		Total	0/1350 (0%)	Mean 0%		SD 0%	

#Tissue NOS:													
Sarcoma													
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	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%)	0/50	(0%)		
Overall Incidence	Total	1/1449 (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: Mar2007
 Contract/Lab: All Laboratories
 Species: RATS
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		Male				Female								
#Tissue NOS:														
Schwannoma Malignant														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	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%)					
Overall Incidence	Total	0/1449 (0%)		Mean	0%	SD	0%	Total	1/1350 (0.07%)		Mean	0.08%	SD	0.39%
.....														
#Tongue:														
Liposarcoma														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/1449 (0%)		Mean	0%	SD	0%	Total	1/1350 (0.07%)		Mean	0.08%	SD	0.39%
.....														
#Tongue:														
Squamous Cell Carcinoma														
		0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)					0/50	(0%)					
Overall Incidence	Total	0/1449 (0%)		Mean	0%	SD	0%	Total	2/1350 (0.15%)		Mean	0.15%	SD	0.54%

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

Version: Mar2007
 Contract/Lab: All Laboratories
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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	Male					Female						
#Tongue:												
Squamous Cell Carcinoma or Papilloma Squamous												
	1/50	(2%)	1/100	(1%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)		
	0/50	(0%)	1/50	(2%)	0/50	(0%)	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%)		
	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)					0/50	(0%)	1/50	(2%)		
Overall Incidence	Total	4/1449 (0.28%)	Mean	0.25%	SD	0.65%	Total	7/1350 (0.52%)	Mean	0.54%	SD	1.21%
#Tongue:												
Squamous Cell Papilloma												
	1/50	(2%)	1/100	(1%)	0/50	(0%)	0/50	(0%)	0/100	(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%)	0/50	(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%)		
	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)					0/50	(0%)	1/50	(2%)		
Overall Incidence	Total	4/1449 (0.28%)	Mean	0.25%	SD	0.65%	Total	5/1350 (0.37%)	Mean	0.38%	SD	0.98%
#Tooth:												
Odontogenic Tumor												
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
	0/50	(0%)	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%)		
Overall Incidence	Total	0/1449 (0%)	Mean	0%	SD	0%	Total	1/1350 (0.07%)	Mean	0.08%	SD	0.39%

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

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

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		Male				Female					
*Urinary Bladder:											
 Carcinoma											
		0/50 (0%)	0/100 (0%)	0/49 (0%)		0/50 (0%)	0/100 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/46 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)			
		0/49 (0%)	1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
		0/48 (0%)				0/50 (0%)		0/50 (0%)			
Overall Incidence	Total	1/1439 (0.07%)		Mean 0.07%	SD 0.38%	Total		1/1346 (0.07%)		Mean 0.08%	SD 0.39%

*Urinary Bladder:											
 Carcinoma or Papilloma											
		0/50 (0%)	0/100 (0%)	1/49 (2%)		0/50 (0%)	0/100 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/46 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	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%)	0/49 (0%)	0/50 (0%)			
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/49 (2%)	1/50 (2%)	0/50 (0%)			
		0/49 (0%)	1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
		0/48 (0%)				0/50 (0%)		0/50 (0%)			
Overall Incidence	Total	4/1439 (0.28%)		Mean 0.29%	SD 0.72%	Total		3/1346 (0.22%)		Mean 0.23%	SD 0.66%

*Urinary Bladder:											
 Leiomyosarcoma											
		0/50 (0%)	0/100 (0%)	0/49 (0%)		0/50 (0%)	0/100 (0%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)			
		0/46 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)			
		0/50 (0%)	0/49 (0%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)			
		0/49 (0%)	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
		0/48 (0%)				0/50 (0%)		0/50 (0%)			
Overall Incidence	Total	0/1439 (0%)		Mean 0%	SD 0%	Total		2/1346 (0.15%)		Mean 0.16%	SD 0.55%

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

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

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	Male						Female							
*Urinary Bladder:														
Papilloma														
	0/50	(0%)	0/100	(0%)	1/49	(2%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50 (0%)			
	0/46	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)	0/50 (0%)			
	1/50	(2%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/49 (0%)			
	0/50	(0%)	0/49	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50 (0%)			
	0/49	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50 (0%)			
	0/48	(0%)					0/50	(0%)						
Overall Incidence	Total	3/1439	(0.21%)	Mean	0.22%	SD	0.63%	Total	2/1346	(0.15%)	Mean	0.16%	SD	0.55%

*Urinary Bladder:														
Sarcoma														
	0/50	(0%)	0/100	(0%)	0/49	(0%)	0/50	(0%)	0/100	(0%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50 (0%)			
	1/46	(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%)	0/49	(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%)			
	0/49	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50 (0%)			
	0/48	(0%)					0/50	(0%)						
Overall Incidence	Total	1/1439	(0.07%)	Mean	0.08%	SD	0.41%	Total	0/1346	(0%)	Mean	0%	SD	0%

#Uterus:														
Adenoma														
							0/50	(0%)	0/100	(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%)	0/50 (0%)			
							0/50	(0%)	0/50	(0%)	0/50 (0%)			
							0/50	(0%)	0/50	(0%)	0/50 (0%)			
Overall Incidence							Total	2/1350	(0.15%)	Mean	0.15%	SD	0.54%	

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

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

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	Male			Female		
#Uterus:						
Carcinoma						
		0/50 (0%)		0/100 (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%)	0/50 (0%)	
				0/50 (0%)	0/50 (0%)	
		0/50 (0%)				
Overall Incidence		Total	2/1350 (0.15%)	Mean	0.15%	SD 0.54%
#Uterus:						
Deciduoma Benign						
		0/50 (0%)		0/100 (0%)		
		0/50 (0%)		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%)	
Overall Incidence		Total	1/1350 (0.07%)	Mean	0.08%	SD 0.39%
#Uterus:						
Hemangioma						
		0/50 (0%)		0/100 (0%)		
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
		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%)	
Overall Incidence		Total	1/1350 (0.07%)	Mean	0.08%	SD 0.39%

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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	Male			Female		
#Uterus:						
Hemangiosarcoma						
	0/50	(0%)	0/100	(0%)		
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	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%)				
Overall Incidence	Total 2/1350 (0.15%)		Mean 0.15%		SD 0.54%	
#Uterus:						
Leiomyoma						
	0/50	(0%)	0/100	(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%)
Overall Incidence	Total 1/1350 (0.07%)		Mean 0.08%		SD 0.39%	
#Uterus:						
Leiomyosarcoma						
	0/50	(0%)	0/100	(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%)
Overall Incidence	Total 2/1350 (0.15%)		Mean 0.15%		SD 0.54%	

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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	Male		Female		
#Uterus:					
Polyp Stromal					
	6/50	(12%)	14/100	(14%)	
	13/50	(26%)	7/50	(14%)	10/50 (20%)
	8/50	(16%)	9/50	(18%)	7/50 (14%)
	7/50	(14%)	14/50	(28%)	8/50 (16%)
	8/50	(16%)	12/50	(24%)	13/50 (26%)
	8/50	(16%)	16/50	(32%)	6/50 (12%)
	8/50	(16%)	12/50	(24%)	5/50 (10%)
	10/50	(20%)	6/50	(12%)	9/50 (18%)
			4/50	(8%)	13/50 (26%)
	9/50	(18%)			
Overall Incidence	Total	242/1350 (17.93%)	Mean	18.08%	SD 6.08%
.....					
#Uterus:					
Sarcoma Stromal					
	0/50	(0%)	0/100	(0%)	
	1/50	(2%)	0/50	(0%)	0/50 (0%)
	1/50	(2%)	0/50	(0%)	0/50 (0%)
	0/50	(0%)	0/50	(0%)	0/50 (0%)
	0/50	(0%)	1/50	(2%)	2/50 (4%)
	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%)
	1/50	(2%)			
Overall Incidence	Total	8/1350 (0.59%)	Mean	0.62%	SD 1.1%
.....					
#Uterus:					
Sarcoma Stromal or Polyp Stromal					
	6/50	(12%)	14/100	(14%)	
	14/50	(28%)	7/50	(14%)	10/50 (20%)
	9/50	(18%)	9/50	(18%)	7/50 (14%)
	7/50	(14%)	14/50	(28%)	8/50 (16%)
	8/50	(16%)	13/50	(26%)	15/50 (30%)
	8/50	(16%)	17/50	(34%)	6/50 (12%)
	8/50	(16%)	12/50	(24%)	5/50 (10%)
	11/50	(22%)	6/50	(12%)	9/50 (18%)
			4/50	(8%)	13/50 (26%)
	10/50	(20%)			
Overall Incidence	Total	250/1350 (18.52%)	Mean	18.69%	SD 6.72%

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

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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
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	Male			Female		
#Uterus:						
Schwannoma Malignant						
	0/50	(0%)	0/100	(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%)	1/50	(2%)
	0/50	(0%)				
Overall Incidence	Total		2/1350 (0.15%)	Mean 0.15%		SD 0.54%
.....						
#Vagina:						
Polyp						
	0/50	(0%)	0/100	(0%)		
	2/50	(4%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	1/50	(2%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)				
Overall Incidence	Total		3/1350 (0.22%)	Mean 0.23%		SD 0.86%
.....						
#Vagina:						
Sarcoma						
	0/50	(0%)	0/100	(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%)	1/50	(2%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)	0/50	(0%)	0/50	(0%)
	0/50	(0%)				
Overall Incidence	Total		3/1350 (0.22%)	Mean 0.23%		SD 0.65%

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

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

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

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 Report Date: 05/13/2022

	Male					Female								
#Zymbal's Gland:														
Adenoma														
	0/50	(0%)	0/100	(0%)	0/50	(0%)	0/50	(0%)	1/100	(1%)				
	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)	0/50	(0%)	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%)						
Overall Incidence	Total	2/1449	(0.14%)	Mean	0.14%	SD	0.52%	Total	2/1350	(0.15%)	Mean	0.12%	SD	0.43%
#Zymbal's Gland:														
Carcinoma														
	0/50	(0%)	0/100	(0%)	1/50	(2%)	0/50	(0%)	0/100	(0%)				
	1/50	(2%)	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%)	1/50	(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%)	0/49	(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%)				
	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)				
	0/50	(0%)					0/50	(0%)						
Overall Incidence	Total	15/1449	(1.04%)	Mean	1.07%	SD	1.76%	Total	6/1350	(0.44%)	Mean	0.46%	SD	1.03%
#Zymbal's Gland:														
Carcinoma or Adenoma														
	0/50	(0%)	0/100	(0%)	1/50	(2%)	0/50	(0%)	1/100	(1%)				
	1/50	(2%)	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%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
	0/50	(0%)	3/50	(6%)	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%)	1/50	(2%)	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%)						
Overall Incidence	Total	17/1449	(1.17%)	Mean	1.21%	SD	1.83%	Total	8/1350	(0.59%)	Mean	0.58%	SD	1.06%

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