NTP Historical Controls Report

All Routes And Vehicles

RATS

November 2008

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	
	/ 11
N	Л 2
N	ИЗ
N	/ 14
N	<i>I</i> 15
Fema	le
	-1
	-2
	-3
	-4
F	-5

the data would be shown as:

	Male			Female)
M1	M2	М3	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.

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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Report Date:11/17/2008

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
				Ma	ale		
Southern Research Institute Battelle Columbus Laboratory	059902407	02/03/03	729	50 (3)	21(661)	518.7	Androstenedione
	058813803	08/16/99	729	50 (3)	22(681)	501.7	Benzophenone
Battelle Columbus Laboratory Battelle Northwest	059902805	09/16/02	729	50 (1)	21(676)	506.2	bis(2-Chloroethoxy)methane
	052001105	07/14/03	729	50 (5)	23(678)	526.9	1-Bromopropane
Southern Research Institute	059902703	08/12/02	729	50 (3)	37(705)	452.8	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	08/05/02	729	50 (3)	33(703)	510.0	Cresols
Battelle Northwest Battelle Columbus Laboratory	059601105	06/04/01	729	50 (5)	26(676)	540.9	Cumene
	059700307	07/10/02	728	50 (1)	25(680)	510.4	1,2-Dibromo-2,4-dicyanobutane
Southern Research Institute	059302007	04/24/00	729	50 (1)	20(670)	484.2	Diisopropylcarbodiimide
Battelle Northwest Battelle Columbus Laboratory	058800405	09/13/99	729	50 (5)	31(686)	519.5	Divinylbenzene
	058812305	03/21/01	727	50 (3)	26(673)	509.7	Formamide
Battelle Columbus Laboratory Southern Research Institute	052000505	01/21/04	727	50 (3)	30(679)	498.5	Ginseng
	059900705	04/21/03	729	50 (3)	33(679)	460.9	Goldenseal root powder
Battelle Columbus Laboratory Battelle Columbus Laboratory	059501107	03/06/02	727	50 (3)	22(673)	510.3	5-(Hydroxymethyl)-2-furfural
	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 Battelle Northwest	059201305 058800603	01/20/00 08/06/01	730 729	50 (3)	31(702)	448.0 537.2	4-Methylimidazole
Southern Research Institute	052000803	03/04/03	729	50 (5) 50 (3)	27(680) 36(704)	452.1	alpha-Methylstyrene Milk thistle extract
Battelle Columbus Laboratory Battelle Northwest	059902303	03/25/02	729	50 (3)	29(683)	501.9	beta-Myrcene
	059700805	10/01/01	729	49 (5)	27(683)	525.0	Propargyl alcohol
Battelle Columbus Laboratory Southern Research Institute	059902005	04/09/03	727	50 (3)	39(685)	514.9	Pulegone
	052011407	10/02/02	730	50 (3)	28(696)	532.4	Sodium dichromate dihydrate (VI)
Battelle Northwest	059302507	06/16/03	729	50 (5)	20(668)	536.2	Tetralin Water disinfection byproducts (Bromochloroacetic acid)
Southern Research Institute	059601905	09/26/01	729	50 (3)	31(686)	526.0	
Southern Research Institute	059601705	03/08/00	729	50 (3)	34(683)	522.9	Water disinfection byproducts (Dibromoacetic acid) Water disinfection byproducts (Dibromoacetonitrile)
Southern Research Institute	059601505	09/05/01	729	50 (3)	31(692)	507.8	

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Page: 4

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
				Fen	nale		
Southern Research Institute	059902407	02/03/03	729	50 (5)	38(710)	356.5	Androstenedione
Battelle Columbus Laboratory	058813803	08/17/99	729	50 (S)	32(688)	348.7	Benzophenone
Battelle Columbus Laboratory	059902805	09/17/02	730	50 (1)	19(646)	341.0	bis(2-Chloroethoxy)methane
Battelle Northwest	052001105	07/14/03	730	50 (S)	34(702)	386.5	1-Bromopropane
Southern Research Institute	059902703	08/12/02	733	50 (5)	36(702)	314.7	Chromium picolinate monohydrate
Battelle Columbus Laboratory	050517405	N/A	N/A	0 (0)	0(0)	N/A	Cresols
Battelle Northwest	059601105	06/04/01	731	50 (5)	21(674)	356.9	Cumene
Battelle Columbus Laboratory	059700307	07/11/02	729	50 (1)	29(695)	337.8	1,2-Dibromo-2,4-dicyanobutane
Southern Research Institute	059302007	04/24/00	731	50 (1)	30(672)	319.5	Diisopropylcarbodiimide
Battelle Northwest	058800405	09/13/99	731	50 (S)	33(679)	355.3	Divinylbenzene
Battelle Columbus Laboratory	058812305	03/20/01	730	50 (S)	38(703)	358.3	Formamide
Battelle Columbus Laboratory	052000505	01/22/04	728	50 (5)	36(700)	355.0	Ginseng
Southern Research Institute	059900705	04/21/03	731	50 (S)	30(699)	326.0	Goldenseal root powder
Battelle Columbus Laboratory	059501107	03/07/02	728	50 (S)	31(679)	332.2	5-(Hydroxymethyl)-2-furfural
Battelle Columbus Laboratory	058810503	04/23/02	730	50 (S)	33(699)	339.3	Isoeugenol
Battelle Northwest	059700601	05/25/00	727	50 (S)	35(694)	365.6	Methyl isobutyl ketone
Southern Research Institute	059100507	06/26/00	733	50 (S)	35(699)	335.9	Methylene blue trihydrate
Southern Research Institute	059201305	01/20/00	735	50 (5)	40(702)	311.3	4-Methylimidazole
Battelle Northwest	058800603	08/06/01	730	50 (5)	27(647)	351.9	alpha-Methylstyrene
Southern Research Institute	052000803	03/04/03	732	50 (5)	38(693)	328.4	Milk thistle extract
Battelle Columbus Laboratory	059902303	03/26/02	730	50 (5)	31(668)	323.8	beta-Myrcene
Battelle Northwest	059700805	10/01/01	730	50 (S)	29(678)	353.3	Propargyl alcohol
Battelle Columbus Laboratory	059902005	04/10/03	728	50 (S)	31(682)	341.2	Pulegone
Southern Research Institute	052011407	10/02/02	735	50 (5)	33(700)	351.2	Sodium dichromate dihydrate (VI)
Battelle Northwest	059302507	06/16/03	730	50 (S)	31(682)	370.8	Tetralin
Southern Research Institute	059601905	09/26/01	731	50 (S)	34(688)	357.3	Water disinfection byproducts (Bromochloroacetic acid
Southern Research Institute	059601705	03/08/00	734	50 (S)	35(693)	350.5	Water disinfection byproducts (Dibromoacetic acid)
Southern Research Institute	059601505	09/05/01	734	50 (S)	29(689)	337.6	Water disinfection byproducts (Dibromoacetonitrile)

Species: RATS

Strain: F344

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

			Male				Female	
#All Organs: Benign Tumors								
3		47/50 (94%)	49/50 (98%)	49/50 (98%)		44/50 (88%)	42/50 (84%)	37/50 (74%)
		48/50 (96%)	49/50 (98%)	50/50 (100%)		45/50 (90%)	45/50 (90%)	
		48/50 (96%)	46/50 (92%)	47/50 (94%)		44/50 (88%)	46/50 (92%)	44/50 (88%)
		49/50 (98%) 47/50 (94%)	45/50 (90%) 50/50 (100%)	49/50 (98%) 49/50 (98%)		43/50 (86%) 46/50 (92%)	43/50 (86%) 46/50 (92%)	42/50 (84%) 41/50 (82%)
		50/50 (100%)	47/50 (94%)	50/50 (96%)		44/50 (88%)	47/50 (92%)	48/50 (96%)
		48/50 (96%)	50/50 (100%)	49/50 (98%)		43/50 (86%)	39/50 (78%)	40/50 (80%)
		48/49 (98%)	47/50 (94%)	49/50 (98%)		42/50 (84%)	42/50 (84%)	47/50 (94%)
		48/50 (96%)	50/50 (100%)	47/50 (94%)		40/50 (80%)	49/50 (98%)	42/50 (84%)
		50/50 (100%)	(,	(,		44/50 (88%)	()	(3 11)
Overall Incidence	Total	1355/1399 (96.85%)	Mean 96.86%	SD 2.74%	Total	1175/1350 (87.04%)	Mean 87.04%	SD 5.61%
	• • • • • • • • • • • • • • • • • • • •				•••••			
#All Organs: Malignant Tumors								
g		34/50 (68%)	33/50 (66%)	26/50 (52%)		10/50 (20%)	20/50 (40%)	19/50 (38%)
		38/50 (76%)	27/50 (54%)	23/50 (46%)		26/50 (52%)	15/50 (30%)	` '
		36/50 (72%)	23/50 (46%)	34/50 (68%)		24/50 (48%)	15/50 (30%)	22/50 (44%)
		29/50 (58%)	25/50 (50%)	26/50 (52%)		17/50 (34%)	15/50 (30%)	10/50 (20%)
		29/50 (58%)	35/50 (70%)	29/50 (58%)		19/50 (38%)	16/50 (32%)	18/50 (36%)
		31/50 (62%)	30/50 (60%)	22/50 (44%)		22/50 (44%)	19/50 (38%)	19/50 (38%)
		32/50 (64%) 32/49 (65%)	26/50 (52%) 10/50 (20%)	23/50 (46%)		25/50 (50%) 26/50 (52%)	18/50 (36%)	11/50 (22%) 20/50 (40%)
		33/50 (66%)	10/50 (20%) 27/50 (54%)	29/50 (58%) 29/50 (58%)		26/50 (52%) 25/50 (50%)	8/50 (16%) 18/50 (36%)	20/50 (40%) 16/50 (32%)
		27/50 (54%)	21/30 (34/6)	29/30 (30/6)		20/50 (40%)	10/30 (30 /6)	10/30 (32 /8)
Overall Incidence	Total	798/1399 (57.04%)	Mean 57.05%	SD 11.17%	Total	493/1350 (36.52%)	Mean 36.52%	SD 9.78%
#All Organs: Malignant and Benign Tum	nore							
Manghant and Benigh Tun	1015	49/50 (98%)	50/50 (100%)	49/50 (98%)		46/50 (92%)	46/50 (92%)	44/50 (88%)
		50/50 (100%)	50/50 (100%)	50/50 (100%)		49/50 (98%)	47/50 (94%)	11 100 (0070)
		50/50 (100%)	50/50 (100%)	50/50 (100%)		50/50 (100%)	48/50 (96%)	48/50 (96%)
		50/50 (100%)	48/50 (96%)	49/50 (98%)		46/50 (92%)	49/50 (98%)	45/50 (90%)
		50/50 (100%)	50/50 (100%)	50/50 (100%)		48/50 (96%)	48/50 (96%)	46/50 (92%)
		50/50 (100%)	49/50 (98%)	50/50 (100%)		46/50 (92%)	50/50 (100%)	48/50 (96%)
		50/50 (100%)	50/50 (100%)	50/50 (100%)		46/50 (92%)	46/50 (92%)	45/50 (90%)
		49/49 (100%)	47/50 (94%)	50/50 (100%)		47/50 (94%)	44/50 (88%)	49/50 (98%)
		50/50 (100%)	50/50 (100%)	50/50 (100%)		46/50 (92%)	49/50 (98%)	45/50 (90%)
		50/50 (100%)				48/50 (96%)		
Overall Incidence	Total	1390/1399 (99.36%)	Mean 99.36%	SD 1.45%	Total	1269/1350 (94%)	Mean 94%	SD 3.46%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #All Organs: Hemangioma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 0/50 (0%)0/50 0/50 0/50 (0%)(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%)1/50 (2%)0/50 (0%)1/50 (2%)(0%)0/50 0/49 0/50 (0%)1/50 (2%)(0%)0/50 (0%)0/50 (0%)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 5/1399 (0.36%) Mean 0.36% SD 0.78% Total 2/1350 (0.15%) Mean 0.15% SD 0.53% #All Organs: Hemangiosarcoma 1/50 (2%)0/50 0/50 0/50 (0%)0/50 (0%)1/50 (2%)(0%)(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 1/50 0/50 (0%)0/50 0/50 (0%)(2%)(0%)(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 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/49(0%)0/50 (0%)0/50 (0%)2/50 (4%)2/50 (4%)0/50 (0%) 1/50 (2%)(0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 1/50 (2%)**Overall Incidence** Total 7/1399 (0.5%)Mean 0.5% SD 1.04% Total 6/1350 (0.44%)Mean 0.44% SD 1.15% #All Organs: Hemangiosarcoma or Hemangioma 0/50 0/50 0/50 0/50 1/50 (2%)(0%)1/50 (2%)(0%)(0%)(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%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)2/50 (4%)0/50 0/50 (0%)1/50 (2%)0/50 (0%) (0%)0/50 (0%)(2%)0/50 (0%) 1/50 (2%)0/50 (0%)1/50 (2%)1/50 0/49 (0%)0/50 1/50 (2%) 2/50 (4%)2/50 (4%)0/50 (0%)(0%)1/50 (2%)0/50 (0%)1/50 0/50 (0%)0/50 (0%)0/50 (0%)(2%)(2%) 0/50 (0%)1/50 12/1399 (0.86%) SD 1.27% 8/1350 (0.59%) SD 1.22% Overall Incidence Total Mean 0.86% Total Mean 0.59%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups

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Report Date:11/17/2008

Route: ALL ROUTES Vehicle: ALL VEHICLES

Length of Study: CHRONIC

			Male			Female
#All Organs: Histiocytic Sarcoma						
msuocytic Garcoma		1/50 (2%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 0/50 (0%) 0/50 1/50 (2%) 0/50 1/50 (2%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 3/50 (6%) 1/50 0/50 (0%) 0/50 0/50 (0%) 2/50	(2%) (0%) (0%) (0%) (0%) (0%) (2%) (0%) (4%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 2/50 (4%) 1/50 (2%) 2/50 (4%) 0/50 (0%) 0/50 (0%) 2/50 (4%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 1/50 (2%) (0%) (0%) (0%) 0/50 (0%) 0/50 (0%) (0%) 0/50 (0%) 0/50 (0%) (0%) 1/50 (2%) 2/50 (4%) (0/50 (0%) 0/50 (0%) 0/50 (0%) (0%) (0%) (0%) (0%) 1/50 (2%) 0/50 (0%) (0%) (0%) (0%)
Overall Incidence	Total	12/1399 (0.86%)	Mean 0.86% SD	1.48% Total	13/1350 (0.96%)	Mean 0.96% SD 1.51%
#All Organs: Leukemia: Erythrocytic Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 0/50 (0%) 0/50 Mean 0% SD	(0%) (0%) (0%) (0%) (0%) (0%) (0%) (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/1350 (0.07%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0.07% SD 0.38%
#All Organs: Leukemia: Lymphocytic, I Undifferentiated						
5 5		26/50 (52%) 29/50 (58%) 26/50 (52%) 22/50 (44%) 21/50 (42%) 25/50 (50%) 26/50 (52%) 21/49 (43%) 25/50 (50%) 21/50 (42%)	27/50 (54%) 17/50 19/50 (38%) 15/50 17/50 (34%) 13/50 15/50 (30%) 18/50 28/50 (56%) 10/50 23/50 (46%) 15/50 17/50 (34%) 9/50 4/50 (8%) 26/50 21/50 (42%) 17/50	(34%) (30%) (26%) (36%) (20%) (30%) (18%) (52%) (34%)	5/50 (10%) 16/50 (32%) 12/50 (24%) 10/50 (20%) 9/50 (18%) 14/50 (28%) 18/50 (36%) 20/50 (40%) 17/50 (34%) 14/50 (28%)	19/50 (38%) 12/50 (24%) 9/50 (18%) 10/50 (20%) 9/50 (18%) 10/50 (20%) 6/50 (12%) 9/50 (18%) 8/50 (16%) 12/50 (24%) 9/50 (18%) 6/50 (12%) 5/50 (10%) 4/50 (8%) 8/50 (16%) 15/50 (30%) 11/50 (22%)
Overall Incidence	Total	553/1399 (39.53%)	Mean 39.53% SD	12.45% Total	297/1350 (22%)	Mean 22% SD 8.81%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 8

Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #All Organs: Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)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%)(0%) (0%)0/50 (0%)(0%)0/50 0/50 0/50 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 (0%)0/50 0/50 (0%)1/50 (2%)(0%)0/50 (0%)0/49(0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)Overall Incidence Total 4/1399 (0.29%) Mean 0.29% SD 0.9% Total 1/1350 (0.07%) Mean 0.07% SD 0.38% #All Organs: Mesothelioma: Benign 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 0/50 (0%)(0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/50 (0%)0/50 (0%) (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) (0%)(0%)(0%) (2%)(0%) 0/49 0/50 0/50 1/50 0/50 (0%)0/50 0/50 (0%)0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)Overall Incidence Total 1/1399 (0.07%) Mean 0.07% SD 0.38% Total 1/1350 (0.07%) Mean 0.07% SD 0.38% #All Organs: Mesothelioma: Benign, Malignant, NOS (2%)(4%)2/50 (4%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 2/50 0/50 (0%)1/50 (2%)0/50 (0%) 0/50 (0%)0/50 (0%)3/50 (6%)1/50 (2%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)2/50 (4%)2/50 (4%)2/50 (4%) 0/50 (0%)2/50 (4%)0/50 (0%)0/50 (0%)2/50 (4%)3/50 0/50 (0%)0/50 (0%)0/50 (0%) (6%)(2%)3/50 (6%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 1/50 0/50 (0%)0/50 (0%)2/50 (4%) 0/50 (0%)0/50 (0%)1/50 (2%) 1/49 (2%)2/50 (4%)2/50 (4%)1/50 (2%)1/50 (2%)0/50 (0%) (2%) 0/50 (0%)1/50 3/50 (6%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)**Overall Incidence** Total 37/1399 (2.64%) Mean 2.64% SD 2.11% Total 5/1350 (0.37%)Mean 0.37% SD 0.97%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
#All Organs: Mesothelioma: Malignant				
g		1/50 (2%)	2/50 (4%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		3/50 (6%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		2/50 (4%)	2/50 (4%) 2/50 (4%)	0/50 (0%) 2/50 (4%) 0/50 (0%)
		0/50 (0%)	2/50 (4%) 3/50 (6%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/50 (2%) 0/50 (0%)	3/50 (6%) 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%)
		1/49 (2%)	2/50 (4%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 3/50 (4%)	0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1730 (270) 3730 (070)	0/50 (0%)
Overall Incidence	Total	36/1399 (2.57%)	Mean 2.57% SD 2.17%	Total 4/1350 (0.3%) Mean 0.3% SD 0.91%
#All Organs: Osteoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/30 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/00 (0/0)	0/50 (0%)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
#All Organs: Osteosarcoma				
		1/50 (2%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		2/50 (4%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 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%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		2/50 (4%) 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%) 1/50 (2%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (2%)	0/50 (0%) 1/50 (2%) 1/50 (2%) 0/50 (0%)
		1/49 (2%)	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%) 0/50 (0%)
		0/50 (0%)	3,30 (0,0) 0,00 (0,0)	0/50 (0%)
Overall Incidence	Total	15/1399 (1.07%)	Mean 1.07% SD 1.68%	Total 5/1350 (0.37%) Mean 0.37% SD 0.79%
O TOTALI III OIGENIOE	i Olai	10/1000 (1.07/0)	WICAIT 1.07/0 OD 1.00/0	1 Stal 0/1000 (0.01/0) WEAL 0.01/0 OD 0.13/0

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 9

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

#All Organs: Osteosarcoma or Osteoma 1/50 (2%) 1/50 2/50 (4%) 0/50 0/50 (0%) 0/50 1/50 (2%) 0/50 2/50 (4%) 0/50 2/50 (4%) 0/50	(0%) (0%) (0%) (0%) (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 2/50 (4%)		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
1/50 (2%) 1/50 2/50 (4%) 0/50 0/50 (0%) 0/50 1/50 (2%) 0/50 2/50 (4%) 0/50	(0%) (0%) (0%) (0%) (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%)	,
2/50 (4%) 0/50 0/50 (0%) 0/50 1/50 (2%) 0/50 2/50 (4%) 0/50	(0%) (0%) (0%) (0%) (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 1/50 (2%) 0/50 2/50 (4%) 0/50	(0%) (0%) (0%) (0%)	0/50 (0%) 1/50 (2%) 2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
1/50 (2%) 0/50 2/50 (4%) 0/50	(0%) (0%) (0%)	1/50 (2%) 2/50 (4%)				
2/50 (4%) 0/50	(0%) (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	(0%)	` '		0/50 (0%)	1/50 (2%)	0/50 (0%)
0/50 (0%) 0/50	` '	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
0/50 (0%) 1/50	(2%)	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%)
3/50 (6%) 0/50	(0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
0/50 (0%)				0/50 (0%)		
	ean 1.14%	SD 1.67%	Total	5/1350 (0.37%)	Mean 0.37%	SD 0.79%
*Adrenal Cortex: Adenoma			•••••			
3/50 (6%) 0/50	(0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
1/50 (2%) 0/50	(/	0/50 (0%)		3/50 (6%)	2/50 (4%)	
0/50 (0%) 3/50	` '	0/50 (0%)		0/50 (0%)	0/50 (0%)	3/50 (6%)
0/50 (0%) 0/50		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
0/50 (0%) 0/50		0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
0/50 (0%) 1/50	` '	1/50 (2%)		0/50 (0%)	1/50 (2%)	1/49 (2%)
0/50 (0%) 2/50 0/49 (0%) 2/50	(4%)	1/50 (2%)		2/50 (4%) 0/50 (0%)	0/48 (0%)	0/50 (0%) 1/50 (2%)
0/49 (0%) 2/50 0/50 (0%) 0/50	` '	0/50 (0%) 0/49 (0%)		0/50 (0%) 8/50 (16%)	0/50 (0%) 0/50 (0%)	1/49 (2%)
0/30 (0%) 0/30	(0 /0)	0/49 (0 /6)		0/50 (0%)	0/30 (0 /8)	1/49 (2/6)
` '	ean 1%	SD 1.85%	Total	24/1346 (1.78%)	Mean 1.78%	SD 3.39%
*Adrenal Cortex: Carcinoma	(00()	0(50 (00))		0/50 (00/)	0/50 (00/)	0/50 (00/)
0/50 (0%) 0/50	` '	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
0/50 (0%) 0/50 0/50 (0%) 0/50		0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
0/50 (0%) 0/50 0/50 (0%) 1/50		0/50 (0%)		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
0/50 (0%) 1/50	(0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
0/50 (0%) 0/50	` '	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
0/50 (0%) 0/50		0/50 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
0/49 (0%) 0/50	` '	0/50 (0%)		0/50 (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%)	, ,	, ,
Overall Incidence Total 1/1398 (0.07%) M	ean 0.07%	SD 0.38%	Total	0/1346 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male		Female	
Adrenal Medulla: Ganglioneuroma						
· ·		0/50 (0%) 0/50 (0%)		0/50 0/50 0/50		0/50 (0%)
		0/50 (0%)	(0/30 0%) 0/50	()	0/49 (0%)
		0/50 (0%)		0%) 0/50		0/50 (0%)
		0/49 (0%)	` ,	0/48	()	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0	0/50	(0%) 0/50 (0%)	0/48 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2	2%) 0/49	(0%) 0/48 (0%)	0/50 (0%)
		0/49 (0%)		0%) 0/50		0/49 (0%)
		0/50 (0%)	0/50 (0%) 0/49 (0	0/50	()	0/49 (0%)
		0/50 (0%)		0/49	(0%)	
verall Incidence	Total	1/1396 (0.07%)	Mean 0.07% SD 0.3		,	SD 0%
Adrenal Medulla: Hemangioma						
_		0/50 (0%)	0/50 (0%) 0/50 (0	0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50		
		0/50 (0%)	` ,	0/50	` ,	0/49 (0%)
		0/50 (0%)		0/50		0/50 (0%)
		0/49 (0%)		0%) 0/48		0/50 (0%)
		0/50 (0%)		0/50	()	0/48 (0%)
		0/50 (0%)		0/49	()	1/50 (2%)
		0/49 (0%)		0%) 0/50		0/49 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0	0/50 0/49	()	0/49 (0%)
verall Incidence	Total	0/1396 (0%)	Mean 0% SD 0%		(0.07%) Mean 0.07%	SD 0.38%
		` ,	Mean 0% SD 0%		,	
Adrenal Medulla: Pheochromocytoma Beni	gn					
		7/50 (14%)	` ,	3/50	()	1/50 (2%)
		10/50 (20%)		6%) 2/50		
		7/50 (14%)		5%) 1/50		0/49 (0%)
		12/50 (24%)		3%) 2/50	()	1/50 (2%)
		5/49 (10%)		0%) 0/48	()	2/50 (4%)
		8/50 (16%)	` ,	6%) 3/50	` ,	2/48 (4%)
		8/50 (16%) 8/49 (16%)		22%) 1/49 2%) 1/50	()	1/50 (2%) 2/49 (4%)
		9/50 (18%)	, ,	2%) 1/50 4%) 2/50		1/49 (4%)
		10/50 (20%)	9/30 (10/0) 1/49 (1/49	()	1/43 (2/0)
word! Incidence	Total	, ,	Moon 14 699/ CD 4.5		` ,	CD 1 959/
verall Incidence	Total	205/1396 (14.68%)	Mean 14.68% SD 4.5	36/133 Total	38 (2.69%) Mean 2.69%	SD 1.85%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 11

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Adrenal Medulla:				
Pheochromocytoma Co	omplex			
		1/50 (2%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
		1/50 (2%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/49 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 0/48 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/49 (0%) 1/48 (2%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/49 (0%) 0/49 (0%)
		0/50 (0%)	0,00 (0,0)	0/49 (0%)
verall Incidence	Total	6/1396 (0.43%)	Mean 0.43% SD 1%	Total 4/1338 (0.3%) Mean 0.3% SD 0.73%
				10tal 4/1336 (0.3%) Wealt 0.3% 3D 0.73%
Adrenal Medulla: Pheochromocytoma M				
•	Ū	0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	3/50 (6%) 0/50 (0%)	0/50 (0%) 2/50 (4%)
		1/50 (2%)	0/50 (0%) 4/50 (8%)	1/50 (2%) 0/50 (0%) 0/49 (0%)
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/49 (2%)	0/50 (0%) 3/50 (6%)	0/48 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/48 (2%)
		2/50 (4%)	0/50 (0%) 2/50 (4%)	0/49 (0%) 0/48 (0%) 0/50 (0%)
		3/49 (6%)	0/50 (0%) 2/30 (4%)	0/50 (0%) 0/50 (0%) 1/49 (2%)
		4/50 (8%)	1/50 (2%) 0/49 (0%)	1/50 (2%) 2/49 (4%) 0/49 (0%)
		0/50 (0%)	1/30 (2/6) 0/49 (0/6)	0/49 (0%)
	-	` '	N 4040/ OD 0040/	,
verall Incidence	Total	27/1396 (1.93%)	Mean 1.94% SD 2.64%	Total 8/1338 (0.6%) Mean 0.6% SD 1.23%
Adrenal Medulla:				
Pheochromocytoma: B	enign, Complex			
		8/50 (16%)	8/50 (16%) 3/50 (6%)	4/50 (8%) 0/50 (0%) 1/50 (2%)
		11/50 (22%)	11/50 (22%) 8/50 (16%)	3/50 (6%) 3/50 (6%)
		7/50 (14%)	5/50 (10%) 6/50 (12%)	3/50 (6%) 1/50 (2%) 0/49 (0%)
		13/50 (26%)	9/50 (18%) 4/50 (8%)	2/50 (4%) 0/50 (0%) 1/50 (2%)
		6/49 (12%)	5/50 (10%) 7/50 (14%)	0/48 (0%) 0/50 (0%) 2/50 (4%)
		8/50 (16%)	11/50 (22%) 10/50 (20%)	3/50 (6%) 2/50 (4%) 3/48 (6%)
		10/50 (20%)	6/50 (12%) 13/50 (26%)	1/49 (2%) 2/48 (4%) 1/50 (2%)
		10/49 (20%)	8/50 (16%) 7/49 (14%)	1/50 (2%) 3/50 (6%) 3/49 (6%)
		12/50 (24%)	10/50 (20%) 7/49 (14%)	3/50 (6%) 4/49 (8%) 1/49 (2%)
		10/50 (20%)	10,00 (20,0) 1,40 (14,0)	1/49 (2%)
		10/30 (20/0)		
verall Incidence	Total	233/1396 (16.69%)	Mean 16.69% SD 5.24%	Total 48/1338 (3.59%) Mean 3.59% SD 2.59%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 12

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
#Bone:				
Chondrosarcoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		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	0/1399 (0%)	Mean 0% SD 0%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
		,		10tal 1/1000 (0.0170) Illioan 0.0170 02 0.0070
#Bone:				
Chondrosarcoma or Cho	ondroma	0/50 (00/)	0/50 (00/)	0/50 (00/) 0/50 (00/)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		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	0/1399 (0%)	Mean 0% SD 0%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
#Bone: Chordoma				
Chordonia		1/50 (2%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		` ,	()	()
		1/50 (2%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 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%) 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%) 0/50 (0%)
		0/50 (0%)		0/50 (0%)
				Total 0/1350 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Bone: Osteoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/49 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)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 1/1399 (0.07%) Mean 0.07% SD 0.38% Total 0/1350 (0%) SD 0% Mean 0% #Bone: Osteosarcoma 1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 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%)1/50 (2%)0/50 (0%)1/50 (2%) 0/50 (0%)0/50 (0%)0/50 (0%)2/50 (4%)0/50 2/50 0/50 (0%)1/50 0/50 (0%)(4%)(2%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)1/50 (2%)1/50 (2%) 0/50 (0%)(0%) 1/50 (2%)0/50 (0%)0/50 0/50 0/50 (0%)(0%)1/49 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 3/50 (6%)(0%)0/50 (0%)(0%)0/50 0/50 (0%)1/50 (2%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 13/1399 (0.93%) Mean 0.93% SD 1.59% Total 5/1350 (0.37%) Mean 0.37% SD 0.79% #Bone: Osteosarcoma or Osteoma 0/50 1/50 (2%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)(2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 0/50 (0%)0/50 (0%)0/50 (0%) 1/50 (2%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)2/50 (4%)0/50 (0%)2/50 (4%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 0/50 (0%)1/50 (2%)1/50 (2%) (0%)0/50 (0%)(2%)1/50 (2%) 0/50 (0%)0/50 (0%)0/50 1/50 (0%)(2%)0/50 0/50 0/50 (0%)0/50 0/50 (0%)1/49 (0%)(0%)(0%)3/50 (6%)0/50 (0%)0/50 0/50 (0%)1/50 (2%) 0/50 (0%)(0%)0/50 (0%)0/50 (0%)14/1399 (1%) SD 1.59% 5/1350 (0.37%) SD 0.79% Overall Incidence Total Mean 1% Total Mean 0.37%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
*Brain:				
Astrocytoma Malignant		1/50 (20/)	0/50 (00/) 0/50 (00/)	0/50 (00/) 0/50 (00/) 0/50 (00/)
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 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%)
		0/49 (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%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/30 (0/0) 0/30 (0/0)	0/50 (0%)
Overall Incidence	Total	4/1397 (0.29%)	Mean 0.29% SD 0.71%	,
	Total	` ,		Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
*Brain:				
Ependymoma Benign		0/50 (00/)	0/50 (00/) 0/50 (00/)	0/50 (00/) 0/50 (00/) 0/50 (00/)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (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%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		` ,	` ,	()
		` ,	` ,	()
		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	1/1397 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
		` ,		
*Brain:				
Ependymoma Malignant		0/50 (00/)	0/50 (00/) 0/50 (00/)	0/50 (00) 0/50 (00)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%) 1/49 (2%)	0/50 (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%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/30 (0/0) 0/30 (0/0)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overell Incidence	Total	()	Maca 0.070/ CD 0.200/	()
Overall Incidence	Total	1/1397 (0.07%)	Mean 0.07% SD 0.39%	Total 0/1350 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 15

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
*Brain: Glioma Malignant				
Giloma Malignant		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
	.	0/50 (0%)	M 0.070/ OD 0.000/	0/50 (0%)
Overall Incidence	Total	1/1397 (0.07%)	Mean 0.07% SD 0.38%	Total 3/1350 (0.22%) Mean 0.22% SD 0.64%
*Brain: Granular Cell Tumor Ben				
Grandial Cell Famol Ben	9	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%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		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	2/1397 (0.14%)	Mean 0.14% SD 0.76%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
*Brain: Medulloblastoma Mal				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	2,22 (3,3)	0/50 (0%)
Overall Incidence	Total	1/1397 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
		(0.01.70)		

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 16

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male		Female	
*Brain:						
Meningioma Malignant						
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50		2(52 (524)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50		1/50 (2%)
		0/50 (0%)		0/50	0 (0%)	
Overall Incidence	Total	0/1397 (0%)	Mean 0% SD 0%	Total 1/1350	0 (0.07%) Mean 0.07%	SD 0.38%
Brain:						•••••
Meningioma: Benign, M	alignant, NOS	0/50 (00/)	0/50 (00/) 0/50 (00/)	0/5/	(001)	0/50 (00/)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	2/22 /22/
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	` ,	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	` ,	0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	1/50 (2%)
		0/50 (0%)		0/50	` '	
Overall Incidence	Total	0/1397 (0%)	Mean 0% SD 0%	Total 1/1350	0 (0.07%) Mean 0.07%	SD 0.38%
			•••••	•••••		
Brain:						
Oligodendroglioma Ben	iign	0/50 (00/)	0/50 (00/) 0/50 (00/)	0/5/	0/50 (00/)	0/50 (00/)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (00/)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50		0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50		0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50	` ,	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	()	0/50 (0%)
		0/50 (0%)		0/50) (0%)	
Overall Incidence	Total	1/1397 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350	0 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 17

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female	
*Brain:					
Oligodendroglioma Mali	ignant				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)	
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/49 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 1/50 (2%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 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%)	
Overall Incidence	Total	1/1397 (0.07%)	Mean 0.07% SD 0.38%	Total 4/1350 (0.3%) Mean 0.3% SD 0.72%	
		,		10tal 4/1000 (0.070) INICAN 0.070 OD 0.7270	
*Brain: Oligodendroglioma, Glid					
ongonoma ognoma, om	······································	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%) 0/50 (0%)	
		0/50 (0%)	1/50 (2%) 1/50 (2%)	2/50 (4%) 0/50 (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%)	0/50 (0%) 0/50 (0%) 1/50 (2%)	
		0/50 (0%)	0/50 (0%) 1/50 (270)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 1/50 (2%)	2/50 (4%) 1/50 (2%) 0/50 (0%)	
		0/49 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/30 (0/0) 1/30 (2/0)	0/50 (0%)	
Overall Incidence	Total	7/1397 (0.5%)	Mean 0.5% SD 0.88%	Total 8/1350 (0.59%) Mean 0.59% SD 1.22%	
		, ,		,	
*Brain: Osteosarcoma					
Osteosarcoma		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
		0/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
		` '	()	()	
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		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	1/1397 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

*Brain: Schwannoma Malignant 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%)	()
		0/50 (0%) 0/50 (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%)
0/49 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
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 1/1397 (0.07%) Mean 0.07%	SD 0.38% Total	0/1350 (0%) Mean 0% SD 0%
*Clitoral/Preputial Gland: Adenoma		
3/50 (6%) 0/50 (0%)	2/50 (4%)	12/50 (24%) 3/50 (6%) 2/50 (4%)
4/50 (8%) 1/50 (2%)	5/50 (10%)	3/49 (6%) 10/50 (20%)
0/50 (0%) 2/50 (4%)	1/50 (2%)	1/50 (2%) 6/50 (12%) 2/50 (4%)
0/48 (0%) 1/50 (2%)	0/50 (0%)	0/50 (0%) 2/50 (4%) 1/50 (2%)
0/50 (0%) 5/50 (10%)	2/50 (4%)	5/50 (10%) 3/50 (6%) 3/48 (6%)
0/50 (0%) 1/50 (2%)	2/50 (4%)	0/50 (0%) 7/50 (14%) 8/50 (16%)
0/50 (0%) 1/50 (2%) 3/49 (6%) 3/50 (6%)	5/50 (10%) 4/50 (8%)	0/50 (0%) 11/50 (22%) 7/50 (14%) 4/50 (8%) 3/50 (6%) 2/50 (4%)
0/50 (0%) 3/50 (6%)	3/50 (6%)	0/50 (0%) 3/50 (6%) 2/50 (4%) 0/50 (16%)
1/48 (2%)	3/30 (0/6)	5/50 (10%)
Overall Incidence Total 53/1395 (3.8%) Mean 3.79%	SD 3.46% Total	125/1347 (9.28%) Mean 9.27% SD 8.46%
*Clitoral/Preputial Gland: Carcinoma		
0/50 (0%) 1/50 (2%)	0/50 (0%)	1/50 (2%) 1/50 (2%) 0/50 (0%)
2/50 (4%) 0/50 (0%)	0/50 (0%)	1/49 (2%) 0/50 (0%)
0/50 (0%) 0/50 (0%) 0/48 (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%) 1/50 (2%)
2/50 (4%) 1/50 (2%)	2/50 (4%)	4/50 (8%) 0/50 (0%) 1/50 (2%) 4/50 (8%) 0/50 (0%) 2/48 (4%)
1/50 (2%) 0/50 (0%)	0/50 (0%)	1/50 (2%) 1/50 (2%) 2/50 (4%)
2/50 (4%) 2/50 (4%)	0/50 (0%)	1/50 (2%) 3/50 (6%) 0/50 (0%)
0/49 (0%) 1/50 (2%)	1/50 (2%)	0/50 (0%) 0/50 (0%) 8/50 (16%)
0/50 (0%) 2/50 (4%)	0/50 (0%)	4/50 (8%) 0/50 (0%) 1/50 (2%)
0/48 (0%)	` '	1/50 (2%)
Overall Incidence Total 19/1395 (1.36%) Mean 1.36%	SD 1.64% Total	36/1347 (2.67%) Mean 2.67% SD 3.55%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Clitoral/Preputial Gland: Carcinoma or Adenoma				
		3/50 (6%) 6/50 (12%)	1/50 (2%) 2/50 (4%) 1/50 (2%) 5/50 (10%)	13/50 (26%) 4/50 (8%) 2/50 (4%) 4/49 (8%) 10/50 (20%)
		0/50 (12 %)	2/50 (4%) 2/50 (4%)	3/50 (6%) 6/50 (12%) 4/50 (8%)
		0/48 (0%)	2/50 (4%) 0/50 (0%)	0/50 (0%) 2/50 (4%) 2/50 (4%)
		2/50 (4%)	6/50 (12%) 4/50 (8%)	9/50 (18%) 3/50 (6%) 5/48 (10%)
		1/50 (2%)	1/50 (2%) 2/50 (4%)	1/50 (2%) 8/50 (16%) 10/50 (20%)
		2/50 (4%)	3/50 (6%) 5/50 (10%)	1/50 (2%) 14/50 (28%) 7/50 (14%)
		3/49 (6%)	4/50 (8%) 4/50 (8%)	4/50 (8%) 3/50 (6%) 10/50 (20%)
		0/50 (0%)	5/50 (10%) 3/50 (6%)	4/50 (8%) 17/50 (34%) 9/50 (18%)
		1/48 (2%)		6/50 (12%)
Overall Incidence	Total	70/1395 (5.02%)	Mean 5.01% SD 3.63%	Total 161/1347 (11.95%) Mean 11.95% SD 8.65%
Clitoral/Preputial Gland: Fibrosarcoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (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%) 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%)	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%)
		0/30 (0%)	0/30 (0/8) 0/30 (0/8)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/1395 (0%)	Mean 0% SD 0%	Total 1/1347 (0.07%) Mean 0.07% SD 0.38%
Clitoral/Preputial Gland: Sarcoma				
		0/50 (0%)	0/50 (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%)
		0/48 (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%) 0/48 (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%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/48 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female *Clitoral/Preputial Gland: **Squamous Cell Papilloma** 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)0/49 (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%)(0%) 0/50 0/48 (0%)0/50 0/50 0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/49 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/48 (0%)0/50 (0%)Overall Incidence Total 1/1395 (0.07%) Mean 0.07% SD 0.38% Total 1/1347 (0.07%) Mean 0.07% SD 0.38% #Ear: **Neural Crest Tumor** 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 0/50 (0%)(0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)1/49 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)(0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 (0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 1/1399 (0.07%)Mean 0.07% SD 0.39% Total 0/1350 (0%)Mean 0% SD 0% #Esophagus: Fibrosarcoma 0/50 (0%)0/50 0/50 0/50 (0%)0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)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 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/1399 (0%) SD 0% 1/1350 (0.07%) Mean 0.07% SD 0.38% Overall Incidence Total Mean 0% Total

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Esophagus: Lipoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 0/50 0/50 0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/49 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)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 0/1399 (0%) Mean 0% SD 0% Total 1/1350 (0.07%) Mean 0.07% SD 0.38% #Eve: Amelanotic Melanoma, Benign 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 0/50 (0%)(0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/49(0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)(0%)0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/1399 (0%)Mean 0% SD 0% Total 1/1350 (0.07%)Mean 0.07% SD 0.38% #Eve: Melanoma Benign 0/50 (0%)0/50 0/50 (0%)0/50 (0%)(0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/1399 (0%) SD 0% 1/1350 (0.07%) SD 0.38% Overall Incidence Total Mean 0% Total Mean 0.07%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Melanoma Malignant				Male			Female
	#Eye:						
	Melanoma Malignant		0/50 (00/)	0/50 (00/) 0/50	(00/)	0/50 (00/)	0/50 (00/) 0/50 (00/)
							` ,
					()		
1,050 (0%) 0.75							
10/50 (0%) (0/50 (0/6) (0/50 (0/6)			` ,	` ,	` ,	` ,	` ,
Company Comp							
			` ,	` ,	` ,	` ,	
Verall Incidence Total O/50 (0%) O				()	` '	()	
Verall Incidence Total O/1399 O/% Mean 0% SD 0% Total 1/1350 O/760 O/% Mean 0.07% SD 0.38%				` ,			
			` ,	0/00 (0/0) 0/00	(070)	` ,	0/00 (0/0) 0/00 (0/0)
Specific Schwannoma Malignant	Overall Incidence	Total	` ,	Mean 0% SD	0% Total	` '	Mean 0.07% SD 0.38%
Schwannoma Malignant 0/50			` ,			` ,	
Schwannoma Malignant	#Eye:						
O/50 O/%6					()		
O/50 (0%) 0/50							
O/50 (0%) O/50							
O/50 (0%) O/50							
O/50 O/96 O/50 O/96 O/50 O/96 O/50 O/96 O/50 O/96 O/50 O/96			` ,	` ,		` ,	` ,
0/50 (0%) 0/50							
O/49 (0%) O/50			` ,	` ,		` ,	
O/50 (0%) O/50							` ,
O/50 (0%) O/50			` ,	,		` ,	
Verall Incidence Total 1/1399 (0.07%) Mean 0.07% SD 0.38% Total 0/1350 (0%) Mean 0% SD 0% Harderian Gland: Carcinoma				0/30 (0/8) 0/30	(070)		0/30 (0/0) 0/30 (0/0)
Harderian Gland: Carcinoma 0/50 (0%) 0/50 (0%	Overall Incidence	Total	` '	Mean 0.07% SD	0.38% Total	` ,	Mean 0% SD 0%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	#Harderian Gland:						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Carcinoma		0/50 (0%)	0/50 (0%) 0/50	(0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			` ,	` ,	` ,		` ,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			` ,	` ,	` ,	` ,	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			` ,	0/50 (0%) 0/50	(0%)	0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)				0/50 (0%) 0/50			
0/50 (0%)			0/49 (0%)	0/50 (0%) 0/50	(0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)
			0/50 (0%)	0/50 (0%) 0/50	(0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence Total 1/1399 (0.07%) Mean 0.07% SD 0.38% Total 0/1350 (0%) Mean 0% SD 0%			0/50 (0%)		•	0/50 (0%)	
701411 11101401100 10141 111000 10101 1010 10101 10101 10101 1010 10101 10101 10101 10101 10101 10101 10101 1010	Overall Incidence	Total	1/1399 (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

Page: 23

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Harderian Gland: Carcinoma or Adenoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 0/50 0/50 0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/49 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)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 1/1399 (0.07%) Mean 0.07% SD 0.38% Total 0/1350 (0%) SD 0% Mean 0% *Heart: Schwannoma Benign 0/50 (0%)0/50 0/50 (0%)0/50 (0%)2/50 (4%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 0/50 (0%)(0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)1/49 (2%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%) 0/50 (0%)(0%)0/50 (0%)(0%)0/50 0/50 (0%)1/50 (2%)0/50 0/50 (0%)1/50 (2%)**Overall Incidence** Total 3/1399 (0.21%)Mean 0.22% SD 0.84% Total 4/1350 (0.3%) Mean 0.3% SD 0.72% *Heart: Schwannoma Malignant 0/50 (2%)0/50 (0%)1/50 0/50 (0%)(0%)1/50 (2%)0/50 (0%)0/50 (0%)(2%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)1/50 (2%)0/50 (0%)(2%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 1/50 (0%)(0%)0/50 (0%)(2%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 1/50 0/49 (0%)0/50 0/50 0/50 (0%)0/50 1/50 (2%) (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)5/1399 (0.36%) SD 0.78% 5/1350 (0.37%) SD 0.79% Overall Incidence Total Mean 0.36% Total Mean 0.37%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
#Intestine Large: Colon/Rec	tum:			
Adenoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
			()	
		()	` ,	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
O	T-1-1	` '	Maria 0.440/ OD 0.500/	` ,
Overall Incidence	Total	2/1399 (0.14%)	Mean 0.14% SD 0.52%	Total 3/1350 (0.22%) Mean 0.22% SD 0.64%
#Intestine Large: Colon/Rec				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 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%)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
#Intestine Large: Colon/Rec Carcinoma or Adenoma	tum:			
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 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%)
Overall Incidence	Total	3/1399 (0.21%)	Mean 0.21% SD 0.63%	Total 4/1350 (0.3%) Mean 0.3% SD 0.72%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 25

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Intestine Large: Colon/Rect Hemangioma	tum:			
g.oa		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (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%)	0/30 (0/8) 0/30 (0/8)	0/50 (0%)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
				10tal 0/1000 (070) Weath 070 CB 070
Intestine Small: Duodenum Carcinoma	ı			
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	G/GG (G/G)	0/50 (0%)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
Intestine Small: Duodenum Leiomyoma	:			
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 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%)
		0/49 (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%)

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 26

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male		Female	
#Intestine Small: Jejunum: Carcinoma	:					
Carcinoma		0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	0/00 (0/0)
		0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50	(2%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		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	1/1399 (0.07%)	Mean 0.07% SD 0.		,	SD 0%
#Intestine Small: Jejunum:						
Granular Cell Tumor M	lalignant					
		0/50 (0%)		(2%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	2/22 (22/)
		0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50	(0%) 0/50 (0%) 0/50	(0%) 0/50 (0%) (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%) (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50	(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/49 (0%)		(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0,00 (0,0) 0,00	0/50	(0%)	(670)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.		` ,	SD 0%
#Intestine Small: Jejunum: Leiomyoma	1					
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		(0%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50	(2%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50	(0%) 0/50 (0%) 0/50	(0%) 0/50 (0%) (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/49 (0%)		(0%) 0/50	(0%) 0/50 (0%) (0%)	0/50 (0%)
		0/49 (0%)		(0%) 0/50	(0%) 0/50 (0%) (0%)	0/50 (0%)
		0/50 (0%)	0/00 (0/0) 0/00	0/50	(0%)	3,30 (0,70)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.		` '	SD 0%
Overall illelidelide	i oldi	1/1333 (0.07/8)	Widaii 0.07/6 3D 0.	3070 TOTAL 0/1330	(070) Mean 070	3D 070

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male			Female	
#Intestine Small: Jejunum:							
Leiomyosarcoma		0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0.50 (001)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	, , , , , , , , , , , , , , , , , , , ,		0/50 (0%)	` ,	` '
Overall Incidence	Total	0/1399 (0%)	Mean 0% SD 0%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%
#Intestine Small: Site Unspe Carcinoma	ecified:						
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/30 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/30 (0/0)		0/50 (0%)	0/30 (0/0)	0/30 (0/0)
Overall Incidence	Total	2/1399 (0.14%)	Mean 0.14% SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%
		,			` ,		
#Intestine Small: Site Unspe Carcinoma or Adenoma							
Carcinolla di Adeliolla	•	0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0,00 (0,0)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	2/1399 (0.14%)	Mean 0.14% SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 28

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Intestine Small: Site Unsp Granular Cell Tumor M				
	9	0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
verall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
Intestine Small: Site Unsp Leiomyoma	pecified:			
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	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%)
verall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 2/1350 (0.15%) Mean 0.15% SD 0.53%
ntestine Small: Site Unsp Leiomyosarcoma	pecified:			
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
	Total	0/50 (0%)		0/50 (0%) Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
verall Incidence		0/1399 (0%)	Mean 0% SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
slets, Pancreatic:								
		4/50 (8%)	1/50 (2%)	3/50 (6%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	2/49 (4%)	
		1/50 (2%)	6/50 (12%)	5/50 (10%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		5/50 (10%)	2/50 (4%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
		7/50 (14%)	2/50 (4%)	4/50 (8%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	4/50 (8%)	3/50 (6%)		0/50 (0%)	2/49 (4%)	0/49 (0%)
		3/50 (6%)	3/50 (6%)	2/50 (4%)		3/50 (6%)	0/48 (0%)	1/50 (2%)
		4/49 (8%)	2/50 (4%)	4/50 (8%)		1/50 (2%)	1/50 (2%)	2/50 (4%)
		3/50 (6%)	3/50 (6%)	5/48 (10%)		0/50 (0%)	3/49 (6%)	0/47 (0%)
		5/49 (10%)		05 0 550		1/50 (2%)		25 4 2224
verall Incidence	Total	86/1395 (6.16%)	Mean 6.17%	SD 3.55%	Total	21/1340 (1.57%)	Mean 1.57%	SD 1.89%
slets, Pancreatic: Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	
				` '			` '	1/50 (2%)
		3/50 (6%) 2/50 (4%)	1/50 (2%) 0/50 (0%)	1/49 (2%) 2/50 (4%)		1/50 (2%) 1/50 (2%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		4/50 (8%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
		5/49 (10%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	0/47 (0%)
	-	1/49 (2%)		00.004	-	0/50 (0%)		00 0 700/
verall Incidence	Total	29/1395 (2.08%)	Mean 2.08%	SD 2.6%	Total	4/1340 (0.3%)	Mean 0.3%	SD 0.72%
slets, Pancreatic: Carcinoma or Adenoma								
		4/50 (8%)	1/50 (2%)	3/50 (6%)		2/50 (4%)	0/50 (0%)	1/50 (2%)
		3/50 (6%)	2/50 (4%)	2/49 (4%)		1/50 (2%)	2/49 (4%)	0/50 (00/)
		3/50 (6%)	6/50 (12%)	7/50 (14%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
		6/50 (12%)	3/50 (6%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
		7/50 (14%)	4/50 (8%)	4/50 (8%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		7/50 (14%) 4/50 (8%)	4/50 (8%) 4/50 (8%)	3/50 (6%) 3/50 (6%)		0/50 (0%) 3/50 (6%)	2/49 (4%)	0/49 (0%) 1/50 (2%)
		()	()	` '		` ,	0/48 (0%)	` '
		9/49 (18%) 4/50 (8%)	2/50 (4%) 5/50 (10%)	4/50 (8%) 5/48 (10%)		1/50 (2%) 0/50 (0%)	1/50 (2%) 3/49 (6%)	2/50 (4%) 0/47 (0%)
		6/49 (12%)	5/50 (10%)	5/48 (10%)		1/50 (0%)	3/43 (070)	U/41 (U70)
verall Incidence	Total	115/1395 (8.24%)	Mean 8.25%	SD 4.06%	Total	25/1340 (1.87%)	Mean 1.86%	SD 1.93%
	LOTAL	115/1305 18 //1%1						

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 30

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female								
*Kidney: Pelvis and Transitional Epithelium: Carcinoma												
Carcinoma		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/49 (0%) 0/47 (0%) 0/50 (0%) 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%)	0/49 (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%)								
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/49 (0%) 0/48 (0%) 0/50 (0%)								
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
O	T-1-1	0/49 (0%)	Mara 0.040/	0/50 (0%)								
Overall Incidence	Total	3/1394 (0.22%)	Mean 0.21% SD 0.63%	Total 0/1340 (0%) Mean 0% SD 0%								
*Kidney: Pelvis and Transiti Carcinoma or Adenoma												
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/47 (0%)								
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/48 (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%) 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%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		0/49 (0%)	, , , , , , , , , , , , , , , , , , , ,	0/50 (0%)								
Overall Incidence	Total	3/1394 (0.22%)	Mean 0.21% SD 0.63%	Total 0/1340 (0%) Mean 0% SD 0%								
*Kidney: Pelvis and Transiti Papilloma	onai Epitnellui	n:										
		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%)	0/49 (0%) 0/47 (0%)								
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%)								
		0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/48 (0%)	0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/48 (2%)								
		0/50 (0%)	0/50 (0%) 0/40 (0%)	0/30 (0%) 0/30 (0%) 1/40 (2%) 0/49 (0%) 0/48 (0%) 0/50 (0%)								
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)								
		0/49 (0%)	(5.5)	0/50 (0%)								

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
*Kidney: Renal Tubule: Adenoma				
		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%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	0/49 (0%) 0/47 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (2%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/48 (0%)	0/50 (0%) 0/50 (0%) 0/48 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/48 (0%) 0/50 (0%)
		0/49 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/49 (2%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/49 (0%)		0/50 (0%)
Overall Incidence	Total	8/1394 (0.57%)	Mean 0.57% SD 0.92%	Total 1/1340 (0.07%) Mean 0.07% SD 0.38%
*Kidney: Renal Tubule: Carcinoma				
		0/49 (0%)	0/50 (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%) 0/47 (0%)
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/48 (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%) 0/50 (0%)	0/30 (0%) 0/30 (0%) 0/48 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	(3.13)	0/50 (0%)
Overall Incidence	Total	2/1394 (0.14%)	Mean 0.14% SD 0.52%	Total 1/1340 (0.07%) Mean 0.08% SD 0.39%
*Kidney: Renal Tubule: Carcinoma or Adenoma				
Caronionia oi 7taononia		0/49 (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%)	1/49 (2%) 0/47 (0%)
		2/50 (4%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (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%)
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	0/49 (0%) 0/48 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (2%) 0/50 (0%) 0/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/30 (0%)	0,00 (0,0) 1,49 (2,0)	0/50 (0%)
Overall Incidence	Total	10/1394 (0.72%)	Mean 0.72% SD 1.24%	Total 2/1340 (0.15%) Mean 0.15% SD 0.54%
Overall illelucite	i Otai	10/1394 (0.72/0)	WICAIT 0.72/0 3D 1.24/0	10tal 2/10+0 (0.10/0) Wealt 0.10/0 3D 0.34/0

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 32

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male			Female					
*Kidney: Renal Tubule: Hemangiosarcoma											
3		0/49 (0%) 0/50 (0%)		/50 (0%) /50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/47 (0%)	0/50 (0%)			
		0/50 (0%)		/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%) 0/	/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)		/50 (2%)		0/49 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)		/48 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)			
		0/50 (0%)		/50 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)			
		0/49 (0%) 0/50 (0%)	` ,	/50 (0%) /49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
		0/49 (0%)	0/30 (0 %) 0/	49 (070)		0/50 (0%)	0/30 (0 /8)	0/30 (0/8)			
Overall Incidence	Total	1/1394 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1340 (0%)	Mean 0%	SD 0%			
		, ,				` ,					
*Kidney: Renal Tubule: Lipoma											
-		0/49 (0%)		/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)		/50 (0%)		0/49 (0%)	0/47 (0%)				
		1/50 (2%)	` ,	/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%) 0/50 (0%)		/50 (0%) /50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
		0/50 (0%)		/48 (0%)		0/49 (0%)	0/50 (0%)	0/30 (0%)			
		0/50 (0%)	` ,	/50 (2%)		0/49 (0%)	0/48 (0%)	0/50 (0%)			
		0/49 (0%)		/50 (0%)		0/50 (0%)	0/50 (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%)					
Overall Incidence	Total	3/1394 (0.22%)	Mean 0.21%	SD 0.63%	Total	0/1340 (0%)	Mean 0%	SD 0%			
						•••••					
*Kidney: Renal Tubule: Liposarcoma		2442 (224)	0.75	(50)		2/22 (22)	2/22 (22()	2(72 (22))			
		0/49 (0%)		/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%) 0/50 (0%)		/50 (0%) /50 (0%)		0/49 (0%) 0/50 (0%)	0/47 (0%) 0/50 (0%)	0/50 (0%)			
		1/50 (2%)		/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (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%)			
		0/50 (0%)		/50 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)			
		0/49 (0%)	` ,	/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%) 0/	/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overell Inciders	Tatal	0/49 (0%)	Maca 0.070/	CD 0.200/	Tatal	0/50 (0%)	Maan 00/	CD 00/			
Overall Incidence	Total	1/1394 (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

Page: 33

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male			Female					
Kidney: Renal Tubule: Mesenchymal Tumor Ben	nian										
	9	0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)		0/49 (0%) 0/50 (0%)	0/47 (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%)		0/49 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/48 (0%)	0/48 (0%) 0/50 (0%)			
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/46 (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%)	(,	()			
Overall Incidence	Total	1/1394 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1340 (0%)	Mean 0%	SD 0%			
Kidney: Renal Tubule: Nephroblastoma											
•		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/47 (0%)	0/50 (00/)			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
		0/50 (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%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (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%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/1394 (0%)	Mean 0%	SD 0%	Total	1/1340 (0.07%)	Mean 0.07%	SD 0.38%			
Kidney: Renal Tubule: Sarcoma											
		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%)		0/49 (0%)	0/47 (0%)	0/50 (00/)			
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	1/48 (2%)		0/50 (0%)	0/50 (0%)	0/48 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)			
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Warell Incidence	Total	0/49 (0%)	Moon 0.070/	SD 0.300/	Total	0/50 (0%)	Moon 0 159/	CD 0 F40/			
Overall Incidence	Total	1/1394 (0.07%)	Mean 0.07%	SD 0.39%	Total	2/1340 (0.15%)	Mean 0.15%	SD 0.54%			

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male			Female				
*Liver: Cholangioma										
onoiding.oma		0/50 (0%)	0/50 (0%) 0/5	50 (0%)	(0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%) 0/			0/50 (0%)	0/50 (0%)	, ,		
		0/50 (0%)	` /	50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%) 0/50 (0%)		50 (0%) 50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/5			0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)		50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)		50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/5	50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	2/1399 (0.14%)	Mean 0.14%	SD 0.52%		1350 (0%)	Mean 0%	SD 0%		
*Liver: Hemangiosarcoma										
•		0/50 (0%)		50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/5			0/50 (0%)	0/50 (0%)	2/22 (221)		
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/5 0/50 (0%) 0/5	50 (0%) 50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		
		0/50 (0%)		50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	,	50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)		50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)		50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/5	50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/50 (0%) 2/1399 (0.14%)	Mean 0.14%	SD 0.52%		0/50 (0%) 1350 (0%)	Mean 0%	SD 0%		
	Total	` ,	Mean 0.14%			,				
*Liver: Hepatocellular Adenoma										
		2/50 (4%)		50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)		50 (0%)		0/50 (0%)	2/50 (4%)	C/FO (400/)		
		0/50 (0%) 0/50 (0%)		50 (0%) 50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	6/50 (12%) 0/50 (0%)		
		1/50 (2%)		50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	,	50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	` /	50 (0%)		0/50 (0%)	2/50 (4%)	0/50 (0%)		
		0/49 (0%)	,	50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)		
		1/50 (2%) 0/50 (0%)	2/50 (4%) 1/5	50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	2/50 (4%)		
Overall Incidence	Total	0/50 (0%) 17/1399 (1.22%)	Mean 1.21%	SD 1.66%		0/50 (0%) /1350 (1.19%)	Mean 1.19%	SD 2.62%		
Overall illelidelide	i Ulai	11/1333 (1.2270)	IVICAII 1.21/0	JD 1.00 /0	i Utai 10	(1.13/0)	IVICAII 1.13/0	SD 2.02/0		

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 35

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management SystemTumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES

Length of Study: CHRONIC

Vehicle: ALL VEHICLES

				Ma	ale						Female					
Liver:																
Hepatocellular Carcinoma																
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/50	(4%)	0/50	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)		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%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)		0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)		
		1/49	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/30	(070)	0/30	(070)		0/50	(0%)	0/30	(070)	0/30	(070)		
Overall Incidence	Total		(0.36%)	Maan	0.36%	SD.	0.95%	Total		(0.07%)	Mac	an 0.07%	SD.	0.38%		
			` ,							,						
d kan								•••••				• • • • • • • • • • • • • • • • • • • •				
Liver: Hepatocellular Carcinoma o	or Hepatob	lastoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/50	(4%)	0/50	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)		` ,		
		0/50	(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(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%)		0.000/	0.0	0.050/	.	0/50	(0%)		0.070/	0.0	0.000/		
Overall Incidence	Total		(0.36%)		0.36%		0.95%	Total		(0.07%)		an 0.07%	_	0.38%		
Liver: Hepatocellular Carcinoma o	or Hepatoce	ellular Adeno	oma													
		2/50	(4%)	2/50	(4%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		2/50	(4%)	1/50	(2%)	0/50	(0%)		1/50	(2%)	2/50	(4%)		, ,		
		0/50	(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	6/50	(12%)		
		0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	2/50	(4%)	0/50	(0%)		
		1/50	(2%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(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%)	2/50	(4%)	0/50	(0%)		
		1/49	(2%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	1/50	(2%)		
		1/50	(2%)	2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	2/50	(4%)		
		0/50	(0%)						0/50	(0%)			_			
Overall Incidence	Total	22/1399	(1.57%)	Mean	1.57%	SD	1.67%	Total	17/1350	(1.26%)	Mea	an 1.26%	SD	2.61%		

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 36

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

	Hepatocellu	ılar Adenon	na, or												
Hepatoblastoma			*Liver: Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatochlastoma												
												4			
		2/50	(4%)	2/50	(4%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		2/50	(4%)	1/50	(2%)	0/50	(0%)		1/50	(2%)	2/50	(4%)	0/50	(400()	
		0/50	(0%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	6/50	(12%)	
		0/50	(0%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	2/50	(4%)	0/50	(0%)	
		1/50	(2%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(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%)	2/50	(4%)	0/50	(0%)	
		1/49	(2%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	1/50	(2%)	
		1/50	(2%)	2/50	(4%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	2/50	(4%)	
		0/50	(0%)						0/50	(0%)					
verall Incidence	Total	22/1399	(1.57%)	Mea	n 1.57%	SD	1.67%	Total	17/1350	(1.26%)	Mea	ın 1.26%	SD	2.61%	
								•••••							
Alveolar/Bronchiolar Adend	oma														
		0/50	(0%)	4/50	(8%)	4/50	(8%)		0/50	(0%)	4/50	(8%)	0/50	(0%)	
		2/50	(4%)	0/50	(0%)	1/50	(2%)		1/50	(2%)	1/50	(2%)			
		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%)	1/50	(2%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)	3/50	(6%)		1/50	(2%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	3/50	(6%)		0/50	(0%)	0/50	(0%)	4/50	(8%)	
		1/49	(2%)	0/50	(0%)	4/50	(8%)		0/50	(0%)	2/50	(4%)	4/50	(8%)	
		0/50	(0%)	2/50	(4%)	2/50	(4%)		0/50	(0%)	1/50	(2%)	1/50	(2%)	
		3/50	(6%)						1/50	(2%)					
verall Incidence	Total	34/1399	(2.43%)	Mea	n 2.43%	SD	2.79%	Total	28/1350	(2.07%)	Mea	n 2.07%	SD	2.74%	
.ung: Alveolar/Bronchiolar Carcir	noma														
		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%)		1/50	(2%)	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%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	0/50	(0%)	
		1/50	(2%)	1/50	(2%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/49	(0%)	1/50	(2%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	1/50	(2%)	
		1/50	(2%)		. ,		. ,		0/50	(0%)		. ,		. ,	
verall Incidence	Total	13/1399	(0.93%)	Mea	n 0.93%	SD	1.02%	Total	7/1350	(0.52%)	Mea	n 0.52%	SD	0.89%	
	10101	10, 1000	(3.0070)	11100	. 5.0070	35		10101	1,1000	(3.32 /0)		0.02/0	CD	0.0070	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 38

Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male		Female							
*Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma												
		0/50 (0%) 3/50 (6%) 2/50 (4%) 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 1/49 (2%) 1/50 (2%) 4/50 (8%)	4/50 (8%) 5/50 (10° 0/50 (0%) 1/50 (2% 2/50 (4%) 1/50 (2% 1/50 (2%) 0/50 (0% 1/50 (2%) 4/50 (8% 1/50 (2%) 0/50 (0% 1/50 (2%) 3/50 (6%) 1/50 (2%) 4/50 (8% 3/50 (6%) 2/50 (4%)	0%) 4/50 (8%) 0/50 (0%) 4%) 1/50 (2%) 2%) 4/50 (8%) 0/50 (0%) 0%) 2/50 (4%) 1/50 (2%) 2%) 0/50 (0%) 1/50 (2%) 0%) 1/50 (2%) 4/50 (8%) 2%) 2/50 (4%) 4/50 (8%) 0%) 1/50 (2%) 2/50 (4%) 2%)							
Overall Incidence	Total	47/1399 (3.36%)	Mean 3.36% SD 2.98%	5 Total 34/1350 (:	2.52%) Mean 2.52% SD 2.69%							
*Lung: Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 2/1399 (0.14%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0.14% SD 0.52%	0) 0/50 (0) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1)	0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%) 0%) 0%) Mean 0% SD 0%							
*Lung: Sarcoma		0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%)	0) 0/50 (0) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1) 0/50 (1)	0%) 0/50 (0%) 0/50 (0%) 0%) 0/50 (0%) 0%) 0/50 (0%) 0%) 0/50 (0%) 0/50 (0%)							
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%		,							

......

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female	
*Lung: Squamous Cell Carcinoma					
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	0 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	(00/)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5 0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	` '
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/5	` '
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%)	(***)	0/50 (0%)	()
Overall Incidence	Total	2/1399 (0.14%)	Mean 0.14% SD 0.52%	Total 1/1350 (0.07%) Mean 0.07% S	SD 0.38%
#Lymph Node: Hemangiosarcoma					
•		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	0 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	` '
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5 0/50 (0%) 0/50 (0%) 0/5	
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%)	0/30 (0/0)	0/50 (0%)	0 (070)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	` '	SD 0%
#Lymph Node, Mesenteric: Sarcoma					
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	0 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	(004)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5 0/50 (0%) 0/50 (0%) 0/5	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/30 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/5	` '
		0/50 (0%)	3,33 (3,0) (0,0)	0/50 (0%)	(0,0)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	,	SD 0%
Overall molucine	i otai	1/1333 (0.01/0)	WCail 0.07/0 3D 0.30/0	10tai 0/1000 (0/0) Weati 0/0	U 0/0

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
#Mammary Gland: Adenoma				
		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%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (4%)
		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%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		2/49 (4%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	3/50 (6%) 2/50 (4%) 2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	4/1399 (0.29%)	Mean 0.29% SD 0.91%	Total 19/1350 (1.41%) Mean 1.41% SD 1.91%
#Mammary Gland: Carcinoma				
		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%)	4/50 (8%) 0/50 (0%)
		2/50 (4%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	10/50 (20%) 2/50 (4%) 4/50 (8%) 3/50 (6%) 2/50 (4%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	4/50 (8%) 0/50 (0%) 4/50 (8%)
		2/50 (4%)	0/50 (0%) 0/50 (0%)	5/50 (10%) 1/50 (2%) 2/50 (4%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	3/50 (6%) 4/50 (8%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 1/50 (2%)	7/50 (14%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	3/50 (6%) 1/50 (2%) 3/50 (6%) 2/50 (4%)
Overall Incidence	Total	8/1399 (0.57%)	Mean 0.57% SD 1.2%	Total 67/1350 (4.96%) Mean 4.96% SD 4.75%
#Mammary Gland: Carcinoma or Adenoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	3/50 (6%) 2/50 (4%) 1/50 (2%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	4/50 (8%) 1/50 (2%)
		2/50 (4%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	10/50 (20%) 3/50 (6%) 4/50 (8%) 3/50 (6%) 2/50 (4%) 2/50 (4%)
		0/50 (2%)	0/50 (0%) 0/50 (0%)	6/50 (12%) 2/50 (4%) 2/50 (8%)
		2/50 (4%)	0/50 (0%) 0/50 (0%)	5/50 (10%) 2/50 (4%) 2/50 (4%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	3/50 (6%) 4/50 (8%) 0/50 (0%)
		2/49 (4%)	0/50 (0%) 1/50 (2%)	10/50 (20%) 2/50 (4%) 2/50 (4%)
		0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	3/50 (6%) 1/50 (2%) 3/50 (6%) 2/50 (4%)
Overall Incidence	Total	1/50 (2%) 12/1399 (0.86%)	Mean 0.86% SD 1.39%	2/50 (4%) Total 86/1350 (6.37%) Mean 6.37% SD 4.71%
Overall illelidelide	i Ulai	12/1399 (0.00%)	WEAT 0.00/0 3D 1.39%	Total 00/1300 (0.37/0) Wedit 0.37/0 3D 4.71%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
#Mammary Gland: Fibroadenoma				
		2/50 (4%) 2/50 (4%)	2/50 (4%) 3/50 (6%) 2/50 (4%) 0/50 (0%)	35/50 (70%) 27/50 (54%) 16/50 (32%) 25/50 (50%) 29/50 (58%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	24/50 (48%) 14/50 (28%) 12/50 (24%)
		1/50 (2%)	2/50 (4%)	20/50 (40%) 33/50 (66%) 32/50 (64%)
		1/50 (2%)	1/50 (2%) 4/50 (8%)	30/50 (60%) 29/50 (58%) 26/50 (52%)
		2/50 (4%)	2/50 (4%) 3/50 (6%)	22/50 (44%) 28/50 (56%) 24/50 (48%)
		1/50 (2%)	0/50 (0%) 0/50 (0%)	22/50 (44%) 28/50 (56%) 17/50 (34%)
		1/49 (2%) 1/50 (2%)	1/50 (2%) 2/50 (4%) 3/50 (6%) 4/50 (8%)	26/50 (52%) 21/50 (42%) 37/50 (74%) 14/50 (28%) 43/50 (86%) 32/50 (64%)
		6/50 (12%)	3/30 (0%) 4/30 (8%)	31/50 (62%)
Overall Incidence	Total	49/1399 (3.5%)	Mean 3.5% SD 2.81%	Total 697/1350 (51.63%) Mean 51.63% SD 14.92%
		` '		Total 031/1330 (31.0376) Weat 31.0376 3D 14.3276
#Mammary Gland: Fibroma				
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 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%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		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	2/1399 (0.14%)	Mean 0.14% SD 0.52%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
#Mammary Gland: Fibroma, Fibroadenon	na or Adenoma			
,		3/50 (6%)	2/50 (4%) 3/50 (6%)	36/50 (72%) 28/50 (56%) 16/50 (32%)
		2/50 (4%)	2/50 (4%) 1/50 (2%)	25/50 (50%) 30/50 (60%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	24/50 (48%) 15/50 (30%) 12/50 (24%)
		1/50 (2%)	4/50 (8%) 2/50 (4%)	20/50 (40%) 33/50 (66%) 33/50 (66%)
		1/50 (2%) 2/50 (4%)	1/50 (2%) 4/50 (8%) 2/50 (4%) 3/50 (6%)	30/50 (60%) 30/50 (60%) 26/50 (52%) 22/50 (44%) 29/50 (58%) 24/50 (48%)
		2/50 (4%) 1/50 (2%)	2/50 (4%) 3/50 (6%) 0/50 (0%) 0/50 (0%)	22/50 (44%) 29/50 (58%) 24/50 (48%) 22/50 (44%) 28/50 (56%) 17/50 (34%)
		3/49 (6%)	1/50 (2%) 2/50 (4%)	28/50 (56%) 22/50 (44%) 37/50 (74%)
		1/50 (2%)	3/50 (6%) 4/50 (8%)	14/50 (28%) 43/50 (86%) 32/50 (64%)
		6/50 (12%)	3.33 (370)	31/50 (62%)
Overall Incidence	Total	55/1399 (3.93%)	Mean 3.93% SD 2.91%	Total 707/1350 (52.37%) Mean 52.37% SD 15.05%
	10.01	(0.0070)		(21.61.76) (62.61.76) Modifi 62.61.76

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

				Male				Female	
#Mammary Gland:									
Fibroma, Fibroadenoma, C	Carcinoma, c								
		3/50 2/50 2/50	(6%) (4%) (4%)	2/50 (4%) 2/50 (4%) 1/50 (2%)	3/50 (6%) 1/50 (2%) 0/50 (0%)		37/50 (74%) 27/50 (54%) 31/50 (62%)	28/50 (56%) 30/50 (60%) 17/50 (34%)	17/50 (34%) 14/50 (28%)
		1/50 1/50 4/50 1/50 3/49	(2%) (2%) (8%) (2%) (6%)	4/50 (8%) 1/50 (2%) 2/50 (4%) 0/50 (0%) 1/50 (2%)	2/50 (4%) 4/50 (8%) 3/50 (6%) 0/50 (0%) 3/50 (6%)		22/50 (44%) 31/50 (62%) 26/50 (52%) 24/50 (48%) 31/50 (62%)	35/50 (70%) 30/50 (60%) 30/50 (60%) 28/50 (56%) 22/50 (44%)	33/50 (66%) 28/50 (56%) 25/50 (50%) 17/50 (34%) 37/50 (74%)
		1/50 6/50	(2%) (12%)	3/50 (6%)	5/50 (10%)		16/50 (32%) 31/50 (62%)	43/50 (86%)	32/50 (64%)
Overall Incidence	Total	61/1399		Mean 4.36%	SD 3.04%	Total	742/1350 (54.96%)	Mean 54.96%	SD 14.27%
#Mesentery: Fibrosarcoma	•••••								
		0/50	(0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 0/50	(0%) (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50	(0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50	(0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50	(0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (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 0/50	(0%) (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/1399 (0%)	Mean 0%	SD 0%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%
#Mesentery: Hemangiosarcoma									
		0/50 0/50	(0%) (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50	(0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50	(0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50	(0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50	(0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 0/49	(0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/49 0/50 0/50	(0%) (0%) (0%)	0/50 (0%) 0/50 (0%)	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		0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 42

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

#Mesentery: Lipoma 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
. 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	()	
1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/30 (0%) 0/30 (0%) 0/30 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
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 1/1399 (0.07%) Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%	
#Mesentery: Rhabdomyosarcoma		
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
Overall Incidence Total 1/1399 (0.07%) Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%	
*Nose: Adenoma		
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (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%) 0/49 (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%) 0/49 (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%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
0/50 (0%)	0/50 (0%)	
Overall Incidence Total 0/1397 (0%) Mean 0% SD 0%	Total 1/1346 (0.07%) Mean 0.07% SD 0.38%	

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 43

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
Nose:								
Chondroma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/1397 (0%)	Mean 0%	SD 0%	Total	1/1346 (0.07%)	Mean 0.07%	SD 0.38%
'Nose: Squamous Cell Carcino	oma							
Squamous Cen Carcino	Ollia	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (078)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)	0/50 (0%)
		0/49 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (2%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		()	0/50 (0%)	0/49 (0%)		()	0/50 (0%)	0/50 (0%)
Overall Incidence	Tatal	` ,	Maara 0 4 40/	CD 0.500/	Tatal	0/50 (0%)	Mana 00/	CD 00/
	Total	2/1397 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1346 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa,					•••••			
Papilloma Squamous o	or Papilloma							
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	• ,	` ,		1/50 (2%)	, ,	, ,
verall Incidence	Total	7/1399 (0.5%)	Mean 0.5%	SD 0.88%	Total	8/1350 (0.59%)	Mean 0.59%	SD 1.08%
veran incluence	i olai	7/1000 (0.070)	IVICALI U.J/0	3D 0.0070	i Olai	0/1000 (0.00/0)	Mean 0.3376	3D 1.0070

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 44

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male			Female					
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma											
Overall Incidence		0/50 (0%) 1/50 (2%) 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%) 0/5 0/50 (0%) 0/5 0/50 (0%) 0/5 0/50 (0%) 0/5 0/50 (0%) 1/5 1/50 (2%) 0/5 0/50 (0%) 0/5 0/50 (0%) 0/5 0/50 (0%) 0/5 0/50 (0%) 0/5 0/50 (0%) 0/5	50 (0%) 50 (0%) 50 (0%) 50 (2%) 50 (0%) 50 (0%) 50 (0%) 50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (2%) 0/50 (0%) 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)					
	Total	5/1399 (0.36%)		SD 0.78%	Total 5/1350 (0.37%)	Mean 0.37% SD 0.79%					
#Oral Cavity (Oral Mucosa Squamous Cell Carcin Papilloma	a, Tongue, Phary	nx, Tooth, Gingiva):									
Тартота		1/50 (2%)	1/50 (2%) 0/5		0/50 (0%)	0/50 (0%) 1/50 (2%)					
		1/50 (2%) 0/50 (0%)	1/50 (2%) 0/5 0/50 (0%) 0/5		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 3/50 (6%)					
		1/50 (2%)	0/50 (0%) 0/9	` ,	0/50 (0%)	1/50 (2%) 0/50 (0%)					
		2/50 (4%) 1/50 (2%)	0/50 (0%) 1/5 1/50 (2%) 0/5	(/	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)					
		0/50 (0%)	1/50 (2%) 1/5	50 (2%)	0/50 (0%)	0/50 (0%) 2/50 (4%)					
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/5 0/50 (0%) 0/5		0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%) 1/50 (2%) 0/50 (0%)					
		0/50 (0%)	0/30 (0/8) 0/3	30 (078)	1/50 (2%)	1/30 (2%) 0/30 (0%)					
Overall Incidence	Total	12/1399 (0.86%)	Mean 0.86%	SD 1.15%	Total 13/1350 (0.96%)	Mean 0.96% SD 1.51%					
Oral Mucosa: Squamous Cell Carcin											
oquamous cen carcin	IOIIIa	0/50 (0%)	0/50 (0%) 0/5		0/50 (0%)	0/50 (0%) 0/50 (0%)					
		1/50 (2%)	0/50 (0%) 0/5		0/50 (0%)	0/50 (0%)					
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/5 0/50 (0%) 0/5	` ,	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 1/50 (2%) 0/50 (0%)					
		1/50 (2%)	0/50 (0%) 1/5	50 (2%)	0/50 (0%)	0/50 (0%) 0/50 (0%)					
		1/50 (2%) 0/50 (0%)	1/50 (2%) 0/5 0/50 (0%) 0/5		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%) 1/50 (2%)					
		0/49 (0%)	0/50 (0%) 0/5	` ,	0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%)					
		0/50 (0%)	0/50 (0%) 0/5	` ,	0/50 (0%)	0/50 (0%) 0/50 (0%)					
Normall Implications	Tatal	0/50 (0%)	Mana 0 200/	CD 0.700/	0/50 (0%)	Mana 0.20/ CD 0.70%					
Overall Incidence	Total	5/1399 (0.36%)	Mean 0.36%	SD 0.78%	Total 4/1350 (0.3%)	Mean 0.3% SD 0.72%					

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male			Female				
Oral Mucosa: Squamous Cell Papilloma	a									
oquaouo oo upo	-	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	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%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	,	,		0/50 (0%)	(,		
verall Incidence	Total	1/1399 (0.07%)	Mean 0.07%	SD 0.38%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.53%		
Ovary:						• • • • • • • • • • • • • • • • • • • •				
Granulosa Cell Tumor Be	nign					0/50 (0%)	0/50 (0%)	0/50 (0%)		
						0/50 (0%)	0/50 (0%)	0/30 (078)		
						0/50 (0%)	0/50 (0%)	0/50 (0%)		
						0/50 (0%)	0/50 (0%)	0/50 (0%)		
						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%)	0/49 (0%)		
						0/50 (0%)	0/50 (0%)	0/50 (0%)		
verall Incidence					Total	0/50 (0%) 1/1348 (0.07%)	Mean 0.07%	SD 0.38%		
						,				
Ovary:										
Granulosa Cell Tumor Ma	alignant					0/50 (00/)	0/50 (00/)	4/50 (00/)		
						0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		
						0/50 (0%)	0/50 (0%)	0/50 (0%)		
						0/50 (0%)	0/50 (0%)	0/50 (0%)		
						0/50 (0%)	0/49 (0%)	0/50 (0%)		
						0/50 (0%) 1/50 (2%)	0/50 (0%) 2/50 (4%)	0/50 (0%) 0/50 (0%)		
						0/50 (0%)	0/50 (0%)	0/49 (0%)		
						0/00 (0/0)	0/30 (0/0)	0/43 (0/0)		
						0/50 (0%)	0/50 (0%)	0/49 (0%)		
verall Incidence					Total					

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 46

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male				Ferr	ale		
Ovary:							
Granulosa Cell Tumor: Benign, Malignant, NOS		0/50	(00()	0/50	(00()	4/50	(00()
		0/50 0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	0/50	(0%)
		0/50	(0%)	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%)	2/50	(4%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)				
verall Incidence	Total	5/1348	(0.37%)	Mea	n 0.37%	SD	0.97%
Ovary:							
Granulosa-Theca Tumor Benign							
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50 0/50	(0%) (0%)	1/50	(2%)	0/50	(00/)
		0/50	(0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
		0/50	(0%)	0/30	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	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%)				
verall Incidence	Total	2/1348	(0.15%)	Mea	n 0.15%	SD	0.53%
Ovary: Granulosa-Theca Tumor Malignant							
Granulosa-Trieca Turnor Manghant		0/50	(0%)	0/50	(0%)	0/50	(0%)
		2/50	(4%)	0/50	(0%)	0/30	(070)
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)
		O/FO	(00/)				
overall Incidence	Total	0/50 2/1348	(0%) (0.15%)	N4	n 0.15%	00	0.77%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 47

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Ovary: Tubulostromal Adenon	ma							
						1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
						0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (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%)
Overall Incidence					Total	0/50 (0%) 0/50 (0%) 1/1348 (0.07%)	0/50 (0%) Mean 0.07%	0/50 (0%) SD 0.38%
*Pancreas: Adenoma								
Adenoma		3/50 (6%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%)	3/50 (6%) 0/50 (0%) 7/50 (14%)		0/50 (0%) 0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 1/49 (2%)	0/50 (0%) 2/50 (4%) 2/50 (4%) 2/50 (4%)	1/50 (2%) 1/50 (2%) 1/50 (2%) 0/48 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	1/49 (2%) 0/48 (0%) 0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%) 0/50 (0%) 0/47 (0%)
Overall Incidence	Total	24/1394 (1.72%)	Mean 1.72%	SD 3.07%	Total	1/1341 (0.07%)	Mean 0.08%	SD 0.39%
*Pancreas: Carcinoma					•••••			
Guromoma		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%) 0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (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%) 0/49 (0%) 0/48 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/49 (0%) 0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/48 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/47 (0%)
Overall Incidence	Total	1/1394 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1341 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 48

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female *Pancreas: Carcinoma or Adenoma 3/50 (6%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/49 (0%)0/49 (0%)0/50 (0%)0/49 (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%)0/49 0/50 1/50 (2%)8/50 (16%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)1/49 (2%)0/49(0%)0/50 (0%)2/50 (4%)1/50 (2%)0/50 (0%)0/48 (0%)0/50 (0%)0/50 0/49 (0%)2/50 (4%)1/50 (2%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)2/50 (4%)0/48 (0%)0/50 (0%)0/50 (0%)0/47 (0%)1/49 (2%)0/50 (0%)Overall Incidence Total 25/1394 (1.79%) Mean 1.79% SD 3.37% Total 1/1341 (0.07%) Mean 0.08% SD 0.39% *Pancreas: **Mixed Tumor Benign** 0/50 (0%)0/50 0/50 (0%)1/50 (2%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/49 (0%)0/49 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/49 (0%)0/50 0/50 (0%)(0%)(0%)(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 0/50 (0%)0/48 (0%)0/50 (0%)(0%)2/49 (4%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 0/48 (0%)(0%)0/47 0/49 (0%)0/50 (0%)**Overall Incidence** Total 4/1394 (0.29%)Mean 0.29% SD 0.91% Total 0/1341 (0%)Mean 0% SD 0% *Pancreas: **Mixed Tumor Malignant** 0/50 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/49 (0%)0/49 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/49 (0%)0/49 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/48 (0%)0/50 (0%) 0/49 (0%)0/50 (0%)0/50 0/50 (0%)0/50 0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/48 0/50 (0%)0/50 (0%)0/47 (0%)(0%)0/49 (0%)0/50 (0%)1/1394 (0.07%) Mean 0.07% SD 0.38% 0/1341 (0%) SD 0% Overall Incidence Total Total Mean 0%

Page: 49

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Parathyroid Gland: Adenoma				
71001101110		0/48 (0%)	0/49 (0%) 0/49 (0%)	0/49 (0%) 0/47 (0%) 0/43 (0%)
		0/46 (0%)	1/45 (2%) 1/46 (2%)	0/47 (0%) 0/48 (0%)
		0/45 (0%)	0/49 (0%) 0/49 (0%)	0/49 (0%) 0/46 (0%) 0/45 (0%)
		0/46 (0%)	0/48 (0%) 0/50 (0%)	0/49 (0%) 0/46 (0%) 0/48 (0%)
		0/49 (0%) 0/49 (0%)	0/49 (0%) 0/47 (0%) 0/50 (0%) 1/48 (2%)	0/49 (0%) 0/48 (0%) 0/47 (0%) 0/46 (0%) 0/47 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 1/45 (2%)	0/43 (0%) 0/49 (0%) 0/47 (0%)
		0/47 (0%)	1/49 (2%) 0/46 (0%)	0/49 (0%) 2/46 (4%) 0/46 (0%)
		0/48 (0%)	0/44 (0%) 0/50 (0%)	0/49 (0%) 0/42 (0%) 0/50 (0%)
		1/46 (2%)	, , , , , , , , , , , , , , , , , , , ,	0/42 (0%)
Overall Incidence	Total	6/1334 (0.45%)	Mean 0.46% SD 0.9%	Total 2/1267 (0.16%) Mean 0.16% SD 0.84%
Peripheral Nerve: Schwannoma Malignar				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)		0/50 (0%)
verall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
Peripheral Nerve:				
Schwannoma: Benign,	Malignant, NOS		0/50 (00/) 0/50 (00/)	0/50 (00/) 0/50 (00/) 0/50 (00/)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (00/)	0/50 (00/) 0/50 (00/)	0/50 (00/) 0/50 (00/) 0/50 (00/)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/50 (0%) 1/1399 (0.07%)	0/50 (0%) 0/50 (0%) Mean 0.07% SD 0.38%	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/1350 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Pituitary Gland: Pars Dista Adenoma	alis or Unspecif	ied Site:		
Adenoma		19/50 (38%)	10/50 (20%) 35/49 (71%)	19/50 (38%) 17/50 (34%) 22/50 (44%)
		37/50 (74%)	10/50 (20%) 20/50 (40%)	35/50 (70%) 24/49 (49%)
		36/50 (72%)	32/50 (64%) 29/50 (58%)	35/50 (70%) 35/50 (70%) 33/50 (66%)
		36/50 (72%)	11/50 (22%) 20/50 (40%)	37/50 (74%) 22/50 (44%) 16/50 (32%)
		8/50 (16%)	15/50 (30%) 19/50 (38%)	25/50 (50%) 24/50 (48%) 25/50 (50%)
		35/50 (70%)	25/50 (50%) 16/49 (33%)	24/49 (49%) 36/50 (72%) 29/48 (60%)
		34/49 (69%)	13/50 (26%) 6/50 (12%)	35/50 (70%) 20/50 (40%) 25/50 (50%)
		36/49 (73%)	11/50 (22%) 16/50 (32%)	30/50 (60%) 27/50 (54%) 28/50 (56%)
		36/50 (72%)	23/48 (48%) 23/50 (46%)	36/49 (73%) 28/50 (56%) 26/50 (52%)
		24/50 (48%)		27/49 (55%)
verall Incidence	Total	635/1394 (45.55%)	Mean 45.6% SD 20.74%	Total 740/1344 (55.06%) Mean 55.07% SD 12.4%
tuitary Gland: Pars Dista				
Carcinoma		0/50 (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%) 0/30 (0%) 0/30 (0%)
		0/50 (0%)	0/50 (0%) 5/50 (10%)	1/50 (2%) 0/50 (0%) 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%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/49 (0%) 0/50 (0%) 0/48 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 2/50 (4%)
		1/50 (2%)	0/48 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)		0/49 (0%)
verall Incidence	Total	6/1394 (0.43%)	Mean 0.43% SD 1.91%	Total 11/1344 (0.82%) Mean 0.82% SD 1.6%
ituitary Gland: Pars Dista				
Carcinoma or Adenoma	a			
		19/50 (38%)	10/50 (20%) 35/49 (71%)	19/50 (38%) 17/50 (34%) 22/50 (44%)
		37/50 (74%)	10/50 (20%) 20/50 (40%)	35/50 (70%) 25/49 (51%)
		36/50 (72%)	32/50 (64%) 34/50 (68%)	36/50 (72%) 35/50 (70%) 36/50 (72%)
		36/50 (72%)	11/50 (22%) 20/50 (40%)	37/50 (74%) 24/50 (48%) 16/50 (32%)
		8/50 (16%)	15/50 (30%) 19/50 (38%)	25/50 (50%) 25/50 (50%) 25/50 (50%)
		35/50 (70%)	25/50 (50%) 16/49 (33%)	24/49 (49%) 36/50 (72%) 29/48 (60%)
		34/49 (69%)	13/50 (26%) 6/50 (12%)	35/50 (70%) 21/50 (42%) 25/50 (50%)
		36/49 (73%)	11/50 (22%) 16/50 (32%)	30/50 (60%) 27/50 (54%) 30/50 (60%)
		37/50 (74%)	23/48 (48%) 23/50 (46%)	36/49 (73%) 28/50 (56%) 26/50 (52%)
		` ,	20/10 (10/0)	
verall Incidence	Total	24/50 (48%) 641/1394 (45.98%)	Mean 46.03% SD 21.14%	27/49 (55%) Total 751/1344 (55.88%) Mean 55.89% SD 12.5%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Pituitary Gland: Pars Inte Adenoma	rmedia:			
/ tuonoma		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 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 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/49 (0%) 0/50 (0%) 0/48 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/49 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/48 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%) 1/50 (2%)
	T-1-1	0/50 (0%)	Mara 0.000/ OD 0.050/	0/49 (0%)
verall Incidence	Total	5/1394 (0.36%)	Mean 0.36% SD 0.95%	Total 2/1344 (0.15%) Mean 0.15% SD 0.53%
Pituitary Gland: Pars Inte Carcinoma				
		0/50 (0%)	0/50 (0%) 0/49 (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%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (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%) 0/48 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/48 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/50 (0%) 1/1394 (0.07%)	Mean 0.07% SD 0.38%	0/49 (0%) Total 0/1344 (0%) Mean 0% SD 0%
		,		Total 0/1344 (0%) Weart 0% SD 0%
Pituitary Gland: Pars Inte Carcinoma or Adenom	rmedia:			
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)
		0/50 (0%)	0/50 (0%) 3/50 (6%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/30 (2%)	0/49 (0%) 0/50 (0%) 0/48 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/49 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/48 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%) 1/50 (2%)
	Total	0/50 (0%) 6/1394 (0.43%)	Mean 0.43% SD 1.26%	0/49 (0%) Total 2/1344 (0.15%) Mean 0.15% SD 0.53%
verall Incidence				Total 2/1344 (0.15%) Mean 0.15% SD 0.53%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
*Prostate:				
Adenoma		2/22 (22/)	2/12 (22/)	
		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%) 1/50 (2%)	
		0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%)	
		0/50 (2%)	1/50 (2%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	
		0/49 (0%)	0/50 (0%) 2/50 (4%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	
		0/49 (0%)	0,00 (0,0)	
Overall Incidence	Total	6/1397 (0.43%)	Mean 0.43% SD 1%	
*Prostate:				
Carcinoma or Adenoma		0/50 (00/)	0/40 /00/) 0/50 /00/)	
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%) 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%)	0/50 (0%) 0/50 (0%)	
		0/49 (0%)	0/50 (0%) 2/50 (4%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	
		0/49 (0%)		
Overall Incidence	Total	6/1397 (0.43%)	Mean 0.43% SD 1%	
*Salivary Glands: Sarcoma				
		1/50 (2%)	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 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%) 0/49 (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%)
		0/50 (0%) 0/49 (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%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/30 (0/0) 0/30 (0/0)	0/50 (0%)
Overall Incidence	Total	2/1394 (0.14%)	Mean 0.14% SD 0.53%	Total 0/1349 (0%) Mean 0% SD 0%
Overall incluence	i Ulai	2/1334 (0.14/0)	WEGIT 0.14/0 3D 0.33/0	10(a) 0/1040 (0/0) Wealt 0/0 3D 0/0

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 53

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female	
*Salivary Glands: Schwannoma Malignant					
G		0/50 (0%) 0/50 (0%)	1/49 (2%) 0/50 (0%) 0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (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%) 0/50 (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%) 0/50 (0%) 0/50 (0%)	
		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	1/1394 (0.07%)	Mean 0.07% SD 0.39%	Total 0/1349 (0%) Mean 0% SD 0%	
#Seminal Vesicle: Adenoma					•••••
		0/50 (0%)	0/50 (0%) 0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/50 (0%)		
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/50 (0%)		
		0/49 (0%)	0/50 (0%) 0/50 (0%)		
		0/50 (0%)	0/50 (0%) 0/50 (0%)		
		0/50 (0%)			
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%		
#Skeletal Muscle:					
Hemangioma		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	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%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	1
Overall Incidence	Total	2/1399 (0.14%)	Mean 0.14% SD 0.52%	Total 0/1350 (0%) Mean 0% SD 0%	
Overan incluence	TULAI	2/1399 (0.14%)	IVICALI 0.14% SD 0.52%	10tai 0/1530 (0%) IVIEAII 0% 5D 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 54

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Skeletal Muscle: Hemangiosarcoma				
g		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)		0/50 (0%)
verall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
Skeletal Muscle: Lipoma				
•		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)		0/50 (0%)
verall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1350 (0%) Mean 0% SD 0%
Skeletal Muscle:				
Rhabdomyosarcoma				
•		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	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%)

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 55

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
#Skeletal Muscle:								
Rhabdomyosarcoma or F	Rhabdomyoma							
		0/50 (0%))/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	` ,)/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	` ,)/50 (0%)		0/50 (0%)	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%))/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%))/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		/50 (2%)		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%)		
Overall Incidence	Total	2/1399 (0.14%)	Mean 0.14%	SD 0.52%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.53%
#Skeletal Muscle:								
Sarcoma		(00)	0/20 (00/)	(504)		2/22 (22/)	0(50 (00))	2/52 (224)
		0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%))/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
		0/50 (0%)	` ,	/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	. ' '	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%))/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	2/1399 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%
#Skin:		• • • • • • • • • • • • • • • • • • • •						
Basal Cell Adenoma								
		0/50 (0%)	0/50 (0%) 0	/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	` ,	/50 (0%)		0/50 (0%)	0/50 (0%)	(,
		1/50 (2%)		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		/50 (2%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	` ,)/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%))/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		1/49 (2%)	` ,	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	` ,)/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	3.30 (3.0)	(0,0)		0/50 (0%)	2.30 (0.0)	(6,6)
Overall Incidence	Total	13/1399 (0.93%)	Mean 0.93%	SD 1.28%	Total	3/1350 (0.22%)	Mean 0.22%	SD 0.64%
Overall incluence	ı Ulai	13/1388 (0.83%)	IVICALI 0.3370	JU 1.2070	i Olai	J/1300 (U.ZZ70)	IVICALI U.ZZ70	3D 0.04%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

				Ма	le						Fem	ale		
#Skin:	_													
Basal Cell Adenoma or	r Basosquamou			0/50	(00()	0/50	(00()		0/50	(00()	0/50	(00()	0/50	(00()
		0/50	(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)		(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(00()
		1/50	(2%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)		(2%)	1/50	(2%)		0/50	(0%)	1/50	(2%)	1/50	(2%)
		0/50	(0%)		(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)		(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	1/50	(2%)
		1/49	(2%)		(0%)	2/50	(4%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50 2/50	(2%) (4%)	0/50	(0%)	0/50	(0%)		0/50 0/50	(0%) (0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	13/1399	(0.93%)	Mean	0.93%	SD	1.28%	Total	3/1350	(0.22%)	Mea	n 0.22%	SD	0.64%
Skin: Basal Cell Adenoma, B Trichoepithelioma	Basosquamous 1			0/50	(00/)	1/50	(20/)		0/50	(09/)	0/50	(09/)	0/50	(00/)
		0/50	(0%)		(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)		(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(00()
		1/50	(2%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)		(2%)	1/50	(2%)		0/50	(0%)	2/50	(4%)	1/50	(2%)
		0/50 0/50	(0%) (0%)		(2%)	0/50 1/50	(0%) (2%)		1/50 0/50	(2%)	0/50	(0%) (2%)	0/50	(0%) (2%)
		1/50			(0%) (0%)	0/50	(2%)		0/50	(0%)	1/50 0/50	(2%)	1/50 1/50	(2%)
		1/49	(2%) (2%)		(0 <i>%)</i> (0%)	2/50	(4%)		1/50	(0%) (2%)	0/50	(0%)	0/50	(2%)
		1/50	(2%)		(6%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		2/50	(4%)	3/30	(076)	1/30	(270)		0/50	(0%)	0/30	(076)	0/30	(070)
verall incidence	Total		` '	Maan	1 260/	CD	1 EE0/	Total		` '	Mag	n 0 500/	CD	1.000/
verall Incidence	Total	19/1399	` ,		1.36%		1.55%	Total		(0.59%)		n 0.59%		1.08%
Skin: Basal Cell Carcinoma														
		1/50	(2%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(00()
		0/50	(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)		(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)		(0%)	0/50	(0%)		0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)		(2%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/49	(0%)		(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		3/50	(6%)	0/50	(0%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
verall Incidence		2/50	(4%)		. =				0/50	(0%)				
	Total	10/1399	(0.71%)	Maan	0.71%	SD.	1.46%	Total	1/1350	(0.07%)	Mes	an 0.07%	SD	0.38%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Report Date:11/17/2008

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Species: RATS Strain: F344

Length of Study: CHRONIC

Route: ALL ROUTES
Vehicle: ALL VEHICLES

			Male				Female	
	or Basosquamo	us Tumor (malignant or						
NOS)		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	,
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	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%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%) 3/50 (6%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		2/50 (4%)	0/30 (0 /8)	1/30 (2/0)		0/50 (0%)	0/30 (0 /8)	0/30 (0/0)
verall Incidence	Total	10/1399 (0.71%)	Mean 0.71%	SD 1.46%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%
Skin: Basal Cell Carcinoma, Tumor (benign, maligi	, Basal Cell Ader	noma, Basosquamous						
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		1/50 (2%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	0/50 (0%) 1/50 (2%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	2/50 (4%)	1/50 (2%)
		1/50 (2%) 1/49 (2%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 2/50 (4%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
		4/50 (8%)	3/50 (6%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		4/50 (8%)	,	,		0/50 (0%)	,	,
verall Incidence	Total	29/1399 (2.07%)	Mean 2.07%	SD 2.21%	Total	9/1350 (0.67%)	Mean 0.67%	SD 1.24%
Skin: Basal or Sq. Cell Carc or B), Basal Cell Aden	inoma, Carcinon oma, Adenoma,	na, Basosq. Tumor (M Papilloma, Sq						
Papilloma, Keratoacar	itnoma, iricnoep	5/50 (10%)	11/50 (22%)	2/50 (4%)		0/50 (0%)	3/50 (6%)	0/50 (0%)
		1/50 (2%)	4/50 (8%) [′]	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/00 (0/0)
		5/50 (10%)	2/50 (4%)	4/50 (8%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
		2/50 (4%) 2/50 (4%)	10/50 (20%) 4/50 (8%)	2/50 (4%) 8/50 (16%)		0/50 (0%) 1/50 (2%)	4/50 (8%) 0/50 (0%)	3/50 (6%) 0/50 (0%)
		0/50 (0%)	7/50 (14%)	3/50 (6%)		0/50 (0%)	3/50 (6%)	2/50 (4%)
		2/50 (4%)	6/50 (12%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
		5/49 (10%)	3/50 (6%)	5/50 (10%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
		()	` ,	` ,				
		5/50 (10%) 11/50 (22%)	6/50 (12%)	7/50 (14%)		1/50 (2%) 0/50 (0%)	0/50 (0%)	1/50 (2%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Skin: Fibroma 5/50 (10%)5/50 (10%)1/50 (2%)3/50 (6%)3/50 (6%)2/50 (4%)3/50 (6%)4/50 (8%)1/50 (2%)2/50 (4%)0/50 (0%)3/50 (6%)7/50 (14%)5/50 (10%)0/50 (0%)0/50 (0%)0/50 (0%)5/50 (10%)6/50 (12%)2/50 (4%)0/50 (0%)1/50 (2%)0/50 (0%)5/50 (10%)5/50 (10%)5/50 (10%)1/50 (2%)1/50 (2%)0/50 (0%)4/50 (8%)6/50 (12%)8/50 (16%)0/50 (0%)1/50 (2%)1/50 (2%)4/50 (8%)3/50 (6%)3/50 (6%)1/50 (2%)1/50 (2%)2/50 (4%)(6%)(2%)3/49 3/50 (6%)8/50 (16%)1/50 (2%)3/50 (6%)1/50 3/50 (6%)7/50 (14%)5/50 (10%)0/50 (0%)1/50 (2%)1/50 (2%)8/50 0/50 (0%)(16%)127/1399 (9.08%) Overall Incidence Total Mean 9.08% SD 3.9% Total 26/1350 (1.93%) Mean 1.93% SD 1.96% Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma (12%)(12%)3/50 (6%)3/50 4/50 (8%) 2/50 6/50 6/50 (6%)(4%)3/50 (6%)4/50 (8%) 4/50 (8%) 2/50 (4%)0/50 (0%)3/50 (6%)8/50 (16%)5/50 1/50 (2%)0/50 (0%)0/50 (0%)(10%)6/50 3/50 0/50 1/50 0/50 (12%)7/50 (14%)(6%)(0%)(2%)(0%)5/50 (10%)6/50 (12%)7/50 (14%)3/50 (6%) 1/50 (2%)0/50 (0%) 5/50 0/50 (0%)2/50 (2%) (10%)8/50 (16%)8/50 (16%)(4%)1/50 5/50 (10%)4/50 (8%)4/50 (8%) 1/50 (2%)1/50 (2%)3/50 (6%) (22%)2/50 (2%)4/49 (8%)3/50 (6%)11/50 (4%)3/50 (6%)1/50 0/50 6/50 (12%)8/50 (16%)6/50 (12%)(0%)1/50 (2%)1/50 (2%)9/50 (18%)1/50 (2%)Overall Incidence Total 157/1399 (11.22%) Mean 11.22% SD 4.15% Total 34/1350 (2.52%) Mean 2.52% SD 2.33% #Skin: Fibrosarcoma (2%)(0%)0/50 0/50 (0%)1/50 0/50 2/50 (4%)(0%)1/50 (2%)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%)1/50 (2%) 1/50 0/50 (0%)0/50 (0%)0/50 (2%)(0%)(2%)3/50 0/50 0/50 (0%)(2%)0/50 1/50 (6%)(0%)1/50 (0%)(2%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 1/50 (2%) 1/50 (2%)1/49 (2%)0/50 (0%)1/50 1/50 (2%)0/50 (0%)0/50 (0%) (2%)3/50 (6%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)**Overall Incidence** Total 18/1399 (1.29%) Mean 1.29% SD 1.82% Total 6/1350 (0.44%)Mean 0.44% SD 0.85%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
#Skin: Fibrosarcoma, Sarcoma	a, Myxosarcom	a, or Fibrous						
Histiocytoma		1/50 (2%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/30 (0/8)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	2/50 (4%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
		1/49 (2%)	0/50 (0%)	3/50 (6%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		3/50 (6%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)				1/50 (2%)		
Overall Incidence	Total	31/1399 (2.22%)	Mean 2.22%	SD 1.91%	Total	9/1350 (0.67%)	Mean 0.67%	SD 1.11%
#Skin: Fibrous Histiocytoma								
1 ibrous mistrocytoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0,00 (0,0)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	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%)
Overall Incidence	Total	6/1399 (0.43%)	Mean 0.43%	SD 0.84%	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%
#Skin:				•••••		• • • • • • • • • • • • • • • • • • • •	•••••	•••••
Hemangioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	, ,
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
S II I ! . !	+	0/50 (0%)	M 0 4 40/	00 0 500/	T	0/50 (0%)	M 20/	OD 001
Overall Incidence	Total	2/1399 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
#Skin:				
Hemangiosarcoma		0/50 (00/)	0/50 (00/) 0/50 (00/)	0/50 (00/) 0/50 (00/) 0/50 (00/)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/00 (0/0)	0/50 (0%)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.38%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
		` '		10tai 1/1350 (0.07%) Weat 0.07% 3D 0.38%
#Skin: Keratoacanthoma				
		3/50 (6%)	10/50 (20%) 0/50 (0%)	0/50 (0%) 3/50 (6%) 0/50 (0%)
		0/50 (0%)	3/50 (6%) 1/50 (2%)	1/50 (2%) 0/50 (0%)
		4/50 (8%)	2/50 (4%) 3/50 (6%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		0/50 (0%)	8/50 (16%) 0/50 (0%)	0/50 (0%) 2/50 (4%) 2/50 (4%)
		2/50 (4%)	2/50 (4%) 7/50 (14%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	3/50 (6%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/50 (2%)	4/50 (8%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		4/49 (8%)	3/50 (6%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		1/50 (2%)	1/50 (2%) 3/50 (6%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		6/50 (12%)		0/50 (0%)
Overall Incidence	Total	76/1399 (5.43%)	Mean 5.43% SD 5.02%	Total 10/1350 (0.74%) Mean 0.74% SD 1.58%
#Skin: Lipoma				
2.60		1/50 (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%)	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%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/50 (2%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		2/49 (4%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/50 (2%)	, ,	0/50 (0%)
Overall Incidence	Total	14/1399 (1%)	Mean 1% SD 1.39%	Total 0/1350 (0%) Mean 0% SD 0%
overali incidence	ıotai	14/1399 (1%)	wean 1% SD 1.39%	TOTAL U/1350 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Liposarcoma				Male	Female
10,50 (0%) 0.55	#Skin:				
0 50 0 75 0 50 0 75 0 50 0 75	Liposarcoma			- ()	
0,50					
			` ,	` ,	` ,
O/50 (0%)					
O/50 O/6) O/50 O/6) O/50 O/6) O/50 O/6) O/50 O/6) O/50 O/6) O/60 O/6) O/60				()	
10,50				` ,	
0/44 (%) 0/50 (%) 0/5					
O/50 (0%) 1/50 (2%) 0/50 (0%)				()	
O/50 (0%)			()	` ,	` ,
			` ,	1700 (270) 0700 (070)	()
Skin	Overall Incidence	Total	` ,	Mean 0.07% SD 0.38%	,
Neural Crest Tumor			` ,		` ,
O/50 (0%) O/50	#Skin: Neural Crest Tumor				
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%)
O/50 O/96 O/50 O/96 O/50 O/96 O/50 O/96 O/50 O/96					
O/50 O/%)					
0/50 (0%) 1/50 (2%) 0/50 (0%)			0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
0/50 (0%) 0/50 (0%)			0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
O/49 (0%) O/50 (0%)			0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
1/50 (0%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 0/50 (0%)					
Overall Incidence Total 5/1399 (0.36%) Mean 0.36% SD 0.78% Total 2/1350 (0.15%) Mean 0.15% SD 0.53% #\$\$kin: Neural Crest Tumor, Malignant 0/50 (0%)					
Total 5/1399 (0.36%) Mean 0.36% SD 0.78% Total 2/1350 (0.15%) Mean 0.15% SD 0.53%				1/50 (2%) 1/50 (2%)	
*Skin: Neural Crest Tumor, Malignant 0/50 (0%)			` '		` '
Skin: Neural Crest Tumor, Malignant 0/50	Overall Incidence	Total	5/1399 (0.36%)	Mean 0.36% SD 0.78%	Total 2/1350 (0.15%) Mean 0.15% SD 0.53%
Neural Crest Tumor, Malignant $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
0/50 (0%) 0/50 0/50 <th< td=""><td></td><td>lalignant</td><td></td><td></td><td></td></th<>		lalignant			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$,	J	0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					0/50 (0%) 0/50 (0%) 0/50 (0%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)			` ,	` ,	
0/50 (0%) 0/50 (0%) 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 1/1399 (0.07%) Mean 0.07% SD 0.38% Total 0/1350 (0%) Mean 0% SD 0%			` '		,
	Overall Incidence	Total	1/1399 (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

Page: 62

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups
Route: ALL ROUTES

Report Date:11/17/2008

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Species: RATS Strain: F344

r: F344 Vehicle: ALL VEHICLES

Length of Study: CHRONIC

			Male				Female	
#Skin:								
Neurofibroma or Schwa	annoma benign							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)		
verall Incidence	Total	1/1399 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%
		` ,				,		
Skin: Neurofibrosarcoma or S	Schwannoma (r	nalignant or NOS) 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	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%)	2/50 (4%)
		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%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	(2,2)	(5,5)		0/50 (0%)	(373)	(2,73)
verall Incidence	Total	11/1399 (0.79%)	Mean 0.79%	SD 1.48%	Total	3/1350 (0.22%)	Mean 0.22%	SD 0.85%
	. 0.0	(0.1.000)		02070	. 0.0	0, 1000 (0.22,0)		02 0.0070
Skin: Neurofibrosarcoma, Nei malignant or NOS)	urofibroma, or	, ,	0/50 (004)	4/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Skin: Neurofibrosarcoma, Ne	urofibroma, or	0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	,
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	0/50 (0%) 2/50 (4%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	2/50 (4%)
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%) 1/50 (2%)	0/50 (0%) 2/50 (4%) 0/50 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%)
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	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%) 2/50 (4%) 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%)	2/50 (4%) 0/50 (0%) 0/50 (0%)
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	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%) 2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	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%)	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%) 1/50 (2%) 0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/49 (2%)	0/50 (0%) 2/50 (4%) 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 3/50 (6%)	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%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/49 (2%) 1/50 (2%)	0/50 (0%) 2/50 (4%) 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
Skin: Neurofibrosarcoma, Ne	eurofibroma, or	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/49 (2%)	0/50 (0%) 2/50 (4%) 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 3/50 (6%)	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%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
#Skin:								
Osteosarcoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0.450 (00.4)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)		00 0000/	-	0/50 (0%)	14 00/	00.00/
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1350 (0%)	Mean 0%	SD 0%
#Skin:			•••••	•••••			•••••	
Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	` '
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	7/1399 (0.5%)	Mean 0.5%	SD 1.04%	Total	2/1350 (0.15%)	Mean 0.15%	SD 0.77%
#Skin:								
Schwannoma Benign		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (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%)	0/00 (0/0)	0/00 (0/0)		0/50 (0%)	0/00 (0/0)	0,00 (0,0)
Overall Incidence	Total	` ,	Moon 0.079/	SD 0.38%	Total	0/1350 (0%)	Moon 0%	SD 0%
Overan incluence	Total	1/1399 (0.07%)	Mean 0.07%	3D 0.30%	Total	0/1330 (076)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 64

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 65

Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Skin: Schwannoma Malignant 0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)2/50 (4%)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%)0/50 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%)(2%)0/50 1/49 3/50 (6%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)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 11/1399 (0.79%) Mean 0.79% 3/1350 (0.22%) SD 0.85% SD 1.48% Total Mean 0.22% #Skin: **Squamous Cell Carcinoma** 0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)(2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 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 1/50 0/50 0/50 0/50 (0%)(2%)0/50 (0%)(0%)(0%)(0%)0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)0/50 (0%)0/50 (0%) (0%)(2%) 0/50 (0%)(2%)0/50 0/50 1/50 0/50 (0%)1/50 (0%)0/49(0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)(0%)(2%) (0%)0/50 1/50 1/50 (2%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 8/1399 Mean 0.57% SD 0.92% Total 3/1350 Mean 0.22% SD 0.64% (0.57%)(0.22%)#Skin: Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma 0/50 0/50 0/50 1/50 (2%)0/50 (0%)1/50 (2%)(0%)(0%)(0%)(2%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)1/50 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%)1/50 (2%) 1/50 0/50 (0%)0/50 (0%)0/50 (2%)(0%)0/50 (0%)0/50 (0%) 1/50 0/50 (2%)0/50 (2%) (0%)1/50 (0%)0/50 (0%)2/50 (4%)1/50 (2%)0/50 (0%)1/50 0/50 (0%)(2%)0/49 (0%)0/50 (0%)1/50 0/50 (0%)0/50 (0%)0/50 (0%) (2%)3/50 (6%)0/50 (0%)1/50 1/50 (2%)0/50 (0%)0/50 (0%)2/50 (4%)0/50 (0%)**Overall Incidence** 17/1399 (1.22%) Mean 1.21% SD 1.57% Total 4/1350 (0.3%)Mean 0.3% SD 0.72% Total

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 66

Report Date:11/17/2008

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Skin:				
Squamous Cell Papillor	ma	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%)	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%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	4/50 (8%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 1/50 (2%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	3/50 (6%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		1/50 (2%)		0/50 (0%)
verall Incidence	Total	17/1399 (1.22%)	Mean 1.21% SD 1.99%	Total 5/1350 (0.37%) Mean 0.37% SD 0.79%
		, ,		
Skin:				
Squamous Cell Papillor	ma or Papilloma	ı 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%)	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%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	4/50 (8%) 0/50 (0%)	0/50 (0%) 1/50 (2%) 1/50 (2%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		0/50 (0%)	3/50 (6%) 2/50 (4%)	0/50 (0%) 0/50 (0%) 1/50 (2%)
		1/50 (2%)		0/50 (0%)
verall Incidence	Total	17/1399 (1.22%)	Mean 1.21% SD 1.99%	Total 5/1350 (0.37%) Mean 0.37% SD 0.79%
 Skin: Squamous Cell Papillor				
Carcinoma or Keratoac				
		4/50 (8%)	11/50 (22%) 1/50 (2%)	0/50 (0%) 3/50 (6%) 0/50 (0%)
		1/50 (2%)	3/50 (6%) 1/50 (2%)	1/50 (2%) 0/50 (0%)
		4/50 (8%)	2/50 (4%) 4/50 (8%)	0/50 (0%) 1/50 (2%) 1/50 (2%)
		1/50 (2%)	9/50 (18%) 1/50 (2%)	0/50 (0%) 2/50 (4%) 3/50 (6%)
		2/50 (4%)	3/50 (6%) 7/50 (14%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	7/50 (14%) 2/50 (4%)	0/50 (0%) 1/50 (2%) 1/50 (2%)
		1/50 (2%)	6/50 (12%) 2/50 (4%)	0/50 (0%) 1/50 (2%) 0/50 (0%)
		4/49 (8%)	3/50 (6%) 4/50 (8%)	0/50 (0%) 1/50 (2%) 1/50 (2%)
		1/50 (2%)	4/50 (8%) 6/50 (12%)	1/50 (2%) 0/50 (0%) 1/50 (2%)
		7/50 (14%)		0/50 (0%)
Overall Incidence		()		0,00 (0,0)

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Male Female #Skin: Squamous Cell Papilloma, Papilloma, or Keratoacanthoma (8%)11/50 (22%)0/50 (0%)0/50 (0%)3/50 (6%)0/50 (0%)(0%)0/50 3/50 (6%)1/50 (2%)1/50 (2%)0/50 (0%)4/50 (8%)2/50 (4%)4/50 (8%)0/50 (0%)0/50 (0%)1/50 (2%)1/50 (2%)9/50 (18%)0/50 (0%)0/50 (0%)2/50 (4%)3/50 (6%)(4%)0/50 2/50 2/50 (4%)7/50 (14%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)7/50 (14%)1/50 (2%)0/50 (0%)1/50 (2%)1/50 (2%)(2%)5/50 (10%)2/50 (4%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (8%)0/50 (2%)(2%) 4/49 3/50 (6%)3/50 (6%)(0%)1/50 1/50 1/50 (2%)4/50 (8%)5/50 (10%)0/50 (0%)0/50 (0%)1/50 (2%)7/50 (14%)0/50 (0%)Overall Incidence Total 93/1399 (6.65%) Mean 6.65% SD 5.69% Total 15/1350 (1.11%) SD 1.78% Mean 1.11% #Skin: Trichoepithelioma 0/50 (0%)0/50 0/50 (0%)0/50 (0%)1/50 (2%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)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 0/50 1/50 0/50 0/50 (0%)(0%)(2%)(0%)(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 0/50 (0%)0/50 0/50 (0%)(0%)(0%)0/49(0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%) 0/50 (0%)(6%)0/50 (0%)(0%)3/50 1/50 (2%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 6/1399 (0.43%)Mean 0.43% SD 1.26% Total 5/1350 (0.37%)Mean 0.37% SD 0.79% #Skin: Sebaceous Gland: Adenoma 0/50 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)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%)0/50 (0%) 0/50 0/50 (0%)0/50 (0%)0/50 1/50 (0%)(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 0/50 (0%)0/50 1/50 (2%) (0%)(0%)2/50 (4%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)7/1399 (0.5%) Mean 0.5% SD 1.04% 1/1350 (0.07%) SD 0.38% Overall Incidence Total Total Mean 0.07%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
#Skin: Sebaceous Gland: Carcinoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	6766 (676)	0/50 (0%)
Overall Incidence	Total	1/1399 (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%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 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%) 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%) 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%) 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%)
Overall Incidence	Total	8/1399 (0.57%)	Mean 0.57% SD 1.07%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
#Spinal Cord: Astrocytoma Benign				
Astrocytoma benign		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		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	0/1399 (0%)	Mean 0% SD 0%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 68

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female **#Spinal Cord: Astrocytoma Malignant** 0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 (0%)0/50 0/50 0/50 (0%)(0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/49 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)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 1/1399 (0.07%) Mean 0.07% SD 0.38% Total 0/1350 (0%) SD 0% Mean 0% **#Spinal Cord:** Glioma Malignant 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)0/50 0/50 0/50 (0%)0/50 0/50 (0%)(0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/49(0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)(0%)0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)(0%)**Overall Incidence** Total 0/1399 (0%)Mean 0% SD 0% Total 1/1350 (0.07%)Mean 0.07% SD 0.38% *Spleen: Fibrosarcoma 0/50 (0%)0/50 0/50 (0%)0/50 (0%)(0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/49 (0%)0/50 (0%)(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 0/50 (0%)0/50 (0%)0/47 (0%)(0%)(0%)0/49 0/50 (0%)1/1396 (0.07%) Mean 0.07% SD 0.38% 0/1343 (0%) SD 0% Overall Incidence Total Total Mean 0%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
*Spleen: Fibrous Histiocytoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		1/49 (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%) 0/49 (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%) 0/47 (0%)
Overell Insidence	Tatal	0/49 (0%)	Mana 0.070/	0/50 (0%)
Overall Incidence	Total	1/1396 (0.07%)	Mean 0.07% SD 0.39%	Total 0/1343 (0%) Mean 0% SD 0%
*Spleen: Hemangioma				
•		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/47 (0%)
		0/49 (0%)	(0/50 (0%)
Overall Incidence	Total	1/1396 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1343 (0%) Mean 0% SD 0%
*Spleen: Hemangiosarcoma				
riemangiosai coma		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (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%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%) 1/50 (2%) 2/50 (4%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/47 (0%)
		0/49 (0%)	3,33 (0,70)	0/50 (0%) 0/30 (0%) 0/47 (0%)
Overall Incidence	Total	3/1396 (0.21%)	Mean 0.21% SD 0.63%	Total 3/1343 (0.22%) Mean 0.22% SD 0.85%
Jioran molacile	Total	3/1330 (0.21/0)	WIGGIT 0.21/0 OD 0.00/0	10tal 0/1070 (0.22/0) Wicall 0.22/0 0D 0.00/0

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 70

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
Spleen: Leiomyosarcoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/47 (0%)
		0/49 (0%)		0/50 (0%)
Overall Incidence	Total	3/1396 (0.21%)	Mean 0.21% SD 0.63%	Total 0/1343 (0%) Mean 0% SD 0%
Spleen: Sarcoma				
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (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%) 0/49 (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%) 0/47 (0%)
		0/49 (0%)		0/50 (0%)
Overall Incidence	Total	1/1396 (0.07%)	Mean 0.07% SD 0.38%	Total 0/1343 (0%) Mean 0% SD 0%
Stomach, Forestomach:	•••••			
Leiomyosarcoma				
•		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
			()	
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 71

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male		Female			
Stomach, Forestomach:								
Squamous Cell Carcin	noma	2/22 (22/)	2/52 (221)	(224)	0/20 (00/)	(201)		
		0/50 (0%)				(50 (0%) 0/50 (0%)		
		0/50 (0%)		()		(50 (0%)		
		0/50 (0%) 0/50 (0%)		(0%) (0%)		50 (0%)		
		` ,	()	` ,	` ,	` '		
		0/50 (0%) 0/50 (0%)		(0%) (0%)		50 (2%)		
		0/50 (0%)	` '		` ,	50 (0%) 0/50 (0%) 50 (0%) 0/50 (0%)		
		0/49 (0%)		()	,	50 (0%) 0/50 (0%) (50 (0%) 0/50 (0%)		
		0/49 (0%)		(0%)		50 (0%) 0/50 (0%) 50 (0%) 0/50 (0%)		
		0/50 (0%)	0/30 (0%) 0/30	(0%)	0/50 (0%)	30 (0%) 0/30 (0%)		
Second Inclinate	Tatal	` '	Maar 00/ CD 00		` '	Mana 0.070/ CD 0.200/		
Overall Incidence	Total	0/1399 (0%)	Mean 0% SD 09		1/1350 (0.07%)	Mean 0.07% SD 0.38%		
Stomach, Forestomach: Squamous Cell Carcin	oma or Banillan	as Causmous						
Squamous Cell Carcin	ioilla or Papilloli	0/50 (0%)	0/50 (0%) 0/50	(0%)	0/50 (0%) 0/	(50 (0%) 0/50 (0%)		
		0/50 (0%)		(0%)	` ,	50 (0%) 0/30 (0 <i>%</i>)		
		0/50 (0%)				(50 (0%) 0/50 (0%)		
		0/50 (0%)		(0%)		(50 (0%) 0/50 (0%)		
		0/50 (0%)	()	(0%)		(50 (2%) 0/50 (0%)		
		0/50 (0%)				(50 (2%) 0/50 (0%)		
		0/50 (0%)		(0%)	` ,	(50 (0%) 0/50 (0%)		
		0/49 (0%)			` ,	(50) (2%) 0/50 (0%)		
		0/50 (0%)		(2%)		(50 (0%) 1/50 (2%)		
		0/50 (0%)	(473)	()	0/50 (0%)	(=,0)		
Overall Incidence	Total	3/1399 (0.21%)	Mean 0.21% SD 0.	63% Total 5.	5/1350 (0.37%)	Mean 0.37% SD 0.79%		
		,			` ,			
Stomach, Forestomach: Squamous Cell Papillo								
		0/50 (0%)		(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 (0%) 0/50 (0%)		
		0/50 (0%)	` '	` ,	` ,	(50 (0%) 0/50 (0%)		
		0/50 (0%)		(0%)		(50 (0%) 0/50 (0%)		
		0/50 (0%)				50 (2%) 0/50 (0%)		
		0/50 (0%)	` '	()	` ,	50 (0%) 0/50 (0%)		
		0/49 (0%)		(0%)		(50 (2%) 0/50 (0%)		
		0/50 (0%)	0/50 (0%) 1/50	(2%)	0/50 (00/)	(EO (OO() 1/EO (OO()		
		` ,	0/30 (0/0) 1/30	(270)	` ,	(50 (0%) 1/50 (2%)		
		0/50 (0%)	0/30 (0/0) 1/30	(270)	0/50 (0%)	50 (0%) 1/50 (2%)		

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 72

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Stomach, Glandular: Leiomyosarcoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 (0%)0/50 0/50 0/50 (0%) (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/49 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)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 1/1399 (0.07%) Mean 0.07% SD 0.38% Total 0/1350 (0%) SD 0% Mean 0% #Stomach, Glandular: Lipoma 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 0/50 (0%)(0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/49(0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 1/1399 (0.07%)Mean 0.07% SD 0.38% Total 0/1350 (0%)Mean 0% SD 0% *Testes: Adenoma 42/50 (84%)45/50 (90%)30/50 (60%)34/50 (68%)46/50 (92%)49/50 (98%)36/50 (72%)37/50 (74%)36/50 (72%)38/50 (76%)44/50 (88%)45/50 (90%)42/50 (84%)48/50 (96%)46/50 (92%)42/50 (84%)(82%)46/50 (92%)41/50 33/50 (66%)(92%)(94%)46/50 47/50 38/49 (78%)46/50 (92%)(96%)48/50 29/50 (58%)46/50 (92%)41/50 (82%) 49/50 (98%)1170/1399 (83.63%) Overall Incidence Total Mean 83.63% SD 11.52%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
*Thymus: Sarcoma				
oui oomu		0/50 (0%)	0/48 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
		0/43 (0%) 0/49 (0%)	0/48 (0%) 0/47 (0%) 0/49 (0%) 0/49 (0%)	0/46 (0%) 0/46 (0%) 0/48 (0%) 0/45 (0%) 0/50 (0%)
		0/48 (0%)	0/49 (0%) 0/50 (0%)	0/45 (0%) 0/48 (0%) 0/48 (0%)
		0/48 (0%)	0/48 (0%) 0/47 (0%)	0/49 (0%) 0/48 (0%) 0/47 (0%)
		0/49 (0%)	0/49 (0%) 0/48 (0%)	0/47 (0%) 0/50 (0%) 0/47 (0%)
		0/42 (0%)	0/41 (0%) 0/47 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
		0/47 (0%) 0/47 (0%)	0/50 (0%) 0/48 (0%) 0/49 (0%) 1/49 (2%)	0/46 (0%) 0/50 (0%) 0/50 (0%) 0/44 (0%) 0/50 (0%) 0/49 (0%)
		0/47 (0%)	0/49 (0%) 1/49 (2%)	0/48 (0%)
Overall Incidence	Total	1/1331 (0.08%)	Mean 0.07% SD 0.39%	Total 0/1299 (0%) Mean 0% SD 0%
		` ,		
*Thymus: Thymoma Benign				
-		0/50 (0%)	0/48 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
		0/43 (0%)	0/48 (0%) 0/47 (0%)	1/46 (2%) 0/46 (0%)
		0/49 (0%) 0/48 (0%)	0/49 (0%) 0/49 (0%) 0/49 (0%) 0/50 (0%)	0/48 (0%) 0/45 (0%) 0/50 (0%) 0/45 (0%) 0/48 (0%) 0/48 (0%)
		1/48 (2%)	0/49 (0%) 0/30 (0%) 0/48 (0%) 0/47 (0%)	0/49 (0%) 1/48 (2%) 0/47 (0%)
		0/49 (0%)	0/49 (0%) 0/48 (0%)	0/47 (0%) 1/50 (2%) 0/47 (0%)
		0/42 (0%)	0/41 (0%) 0/47 (0%)	1/50 (2%) 0/50 (0%) 0/49 (0%)
		1/47 (2%)	0/50 (0%) 0/48 (0%)	0/46 (0%) 0/50 (0%) 0/50 (0%)
		0/47 (0%) 0/43 (0%)	0/49 (0%) 1/49 (2%)	0/44 (0%) 0/50 (0%) 0/49 (0%) 0/48 (0%)
Overall Incidence	Total	3/1331 (0.23%)	Mean 0.22% SD 0.66%	Total 4/1299 (0.31%) Mean 0.31% SD 0.75%
*Thymus: Thymoma Malignant				
Thymoma Mangham		0/50 (0%)	0/48 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%)
		0/43 (0%)	0/48 (0%) 0/47 (0%)	0/46 (0%) 0/46 (0%)
		0/49 (0%)	0/49 (0%) 0/49 (0%)	0/48 (0%) 0/45 (0%) 0/50 (0%)
		0/48 (0%)	0/49 (0%) 0/50 (0%)	0/45 (0%) 0/48 (0%) 1/48 (2%)
		0/48 (0%) 0/49 (0%)	0/48 (0%) 0/47 (0%) 0/49 (0%) 0/48 (0%)	0/49 (0%) 0/48 (0%) 0/47 (0%) 0/47 (0%) 0/50 (0%) 0/47 (0%)
		0/49 (0%)	0/49 (0%) 0/48 (0%) 0/41 (0%) 0/47 (0%)	0/47 (0%) 0/50 (0%) 0/47 (0%) 0/50 (0%)
		0/47 (0%)	0/50 (0%) 0/48 (0%)	0/46 (0%) 0/50 (0%) 0/50 (0%)
		0/47 (0%)	0/49 (0%) 0/49 (0%)	0/44 (0%) 0/50 (0%) 0/49 (0%)
		0/43 (0%)	, , ,	0/48 (0%)
Overall Incidence	Total	0/1331 (0%)	Mean 0% SD 0%	Total 1/1299 (0.08%) Mean 0.08% SD 0.4%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 74

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Thymus:								
Thymoma: Benign, Mali	ignant, NOS							
		0/50 (0%)	0/48 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/43 (0%)	0/48 (0%)	0/47 (0%)		1/46 (2%)	0/46 (0%)	
		0/49 (0%)	0/49 (0%)	0/49 (0%)		0/48 (0%)	0/45 (0%)	0/50 (0%)
		0/48 (0%)	0/49 (0%)	0/50 (0%)		0/45 (0%)	0/48 (0%)	1/48 (2%)
		1/48 (2%)	0/48 (0%)	0/47 (0%)		0/49 (0%)	1/48 (2%)	0/47 (0%)
		0/49 (0%)	0/49 (0%)	0/48 (0%)		0/47 (0%)	1/50 (2%)	0/47 (0%)
		0/42 (0%)	0/41 (0%)	0/47 (0%)		1/50 (2%)	0/50 (0%)	0/49 (0%)
		1/47 (2%)	0/50 (0%)	0/48 (0%)		0/46 (0%)	0/50 (0%)	0/50 (0%)
		0/47 (0%) 0/43 (0%)	0/49 (0%)	1/49 (2%)		0/44 (0%) 0/48 (0%)	0/50 (0%)	0/49 (0%)
O	Tarat	` '	M 0.000/	00.000/	T-1-1	` '	M 0.000/	00.000/
Overall Incidence	Total	3/1331 (0.23%)	Mean 0.22%	SD 0.66%	Total	5/1299 (0.38%)	Mean 0.38%	SD 0.82%
*Thyroid Gland: C-Cell: Adenoma								•••••
		3/50 (6%)	10/50 (20%)	10/50 (20%)		4/50 (8%)	4/50 (8%)	6/50 (12%)
		5/50 (10%)	5/50 (10%)	6/50 (12%)		3/50 (6%)	3/49 (6%)	
		3/50 (6%)	10/50 (20%)	5/50 (10%)		3/50 (6%)	8/50 (16%)	3/50 (6%)
		2/50 (4%)	6/50 (12%)	11/50 (22%)		0/50 (0%)	5/50 (10%)	6/50 (12%)
		7/50 (14%)	1/50 (2%)	9/50 (18%)		4/50 (8%)	11/50 (22%)	7/50 (14%)
		1/50 (2%)	6/50 (12%)	11/47 (23%)		3/50 (6%)	7/50 (14%)	10/47 (21%)
		3/49 (6%)	5/48 (10%)	12/50 (24%)		2/50 (4%)	2/47 (4%)	5/50 (10%)
		4/49 (8%)	8/50 (16%)	5/50 (10%)		3/50 (6%)	8/50 (16%)	8/50 (16%)
		5/50 (10%)	3/50 (6%)	6/50 (12%)		3/50 (6%)	6/49 (12%)	6/50 (12%)
Overall Incidence	Total	10/49 (20%) 172/1392 (12.36%)	Mean 12.38%	SD 6.48%	Total	6/46 (13%) 136/1338 (10.16%)	Mean 10.18%	SD 5.29%
Overall incluence		,				,		
*Thyroid Gland: C-Cell: Carcinoma								
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		4/50 (8%)	4/50 (8%)	1/50 (2%)		1/50 (2%)	1/49 (2%)	
		1/50 (2%)	2/50 (4%)	5/50 (10%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	6/50 (12%)		1/50 (2%)	1/50 (2%)	3/50 (6%)
		2/50 (4%)	2/50 (4%)	0/47 (0%)		1/50 (2%)	0/50 (0%)	1/47 (2%)
		0/49 (0%) 3/49 (6%)	1/48 (2%)	0/50 (0%) 1/50 (2%)		1/50 (2%) 2/50 (4%)	0/47 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)
		3/49 (6%) 2/50 (4%)	0/50 (0%) 1/50 (2%)	1/50 (2%)		2/50 (4%) 0/50 (0%)	0/50 (0%) 1/49 (2%)	0/50 (4%)
		1/49 (2%)	1/30 (270)	1/30 (270)		0/50 (0%)	1/49 (270)	0/30 (0%)
Overall Incidence	Total	` '	Moon 2 040/	CD 2.450/	Total	` '	Moon 4 240/	SD 1.670/
Overall Incidence	Total	42/1392 (3.02%)	Mean 3.01%	SD 3.15%	Total	18/1338 (1.35%)	Mean 1.34%	SD 1.67%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		4/50 (8%) 9/50 (18%)	11/50 (22%) 11 9/50 (18%) 7/5	1/50 (22%) 50 (14%)		(50 (8%) (50 (8%)	4/50 (8%) 4/49 (8%)	6/50 (12%)
		3/50 (6%)	. '	0/50 (20%)		(50 (6%)	8/50 (16%)	5/50 (10%)
		3/50 (6%)		1/50 (22%)		(50 (2%)	5/50 (10%)	6/50 (12%)
		8/50 (16%)		5/50 (30%)		(50 (10%)	12/50 (24%)	9/50 (18%)
		3/50 (6%)	8/50 (16%) 11	l/47 (23%)	4/	/50 (8%) [^]	7/50 (14%)	11/47 (23%)
		3/49 (6%)	6/48 (13%) 12	2/50 (24%)	3/	(50 (6%)	2/47 (4%)	5/50 (10%)
		7/49 (14%)	8/50 (16%) 6/5	50 (12%)		(50 (10%)	8/50 (16%)	10/50 (20%)
		6/50 (12%) 11/49 (22%)	4/50 (8%) 7/5	50 (14%)		/50 (6%) /46 (13%)	7/49 (14%)	6/50 (12%)
Overall Incidence	Total	212/1392 (15.23%)		SD 7.02%		/1338 (11.43%)	Mean 11.45%	SD 5.46%
Thyroid Gland: Follicular Cell: Adenoma	•••••							
		3/50 (6%)	2/50 (4%) 0/5	50 (0%)	0/	(50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	2/50 (4%) 0/5	50 (0%)	0/	(50 (0%)	0/49 (0%)	
		0/50 (0%)	0/50 (0%) 1/5	\ /	0/	(50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%) 0/5			(50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%) 1/5			(50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/4			(50 (2%)	0/50 (0%)	2/47 (4%)
		0/49 (0%)	0/48 (0%) 1/5	()		(50 (0%)	0/47 (0%)	0/50 (0%)
		1/49 (2%) 0/50 (0%)	0/50 (0%) 0/5 2/50 (4%) 1/5	\ /		/50 (0%) /50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
		0/49 (0%)	2/30 (4%) 1/3	30 (2%)		/46 (2%)	0/49 (0%)	0/30 (0%)
Overall Incidence	Total	16/1392 (1.15%)	Mean 1.14%	SD 1.67%		338 (0.45%)	Mean 0.46%	SD 1.06%
Thyroid Gland: Follicular Cell: Carcinoma								
		0/50 (0%)	0/50 (0%) 0/5	()		(50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%) 0/5			(50 (0%)	0/49 (0%)	. (=0)
		2/50 (4%)	1/50 (2%) 0/5			(50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/50 (2%) 1/5	()		(50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 1/50 (2%)	2/50 (4%) 1/5 0/50 (0%) 0/4	()		/50 (0%) /50 (0%)	2/50 (4%) 0/50 (0%)	1/50 (2%) 0/47 (0%)
		0/49 (0%)	0/50 (0%) 0/2	` '		/50 (0%)	0/50 (0%) 1/47 (2%)	0/47 (0%) 0/50 (0%)
		0/49 (0%)	0/48 (0%) 2/5			(50 (0%) (50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	1/50 (2%) 0/5	` '		(50 (0%)	0/49 (0%)	0/50 (0%)
		0/49 (0%)	1/00 (2/0) 0/0	(070)		/46 (0%)	0/40 (0/0)	0/00 (0/0)
Overall Incidence	Total	12/1392 (0.86%)	Mean 0.86%	SD 1.38%	-	338 (0.45%)	Mean 0.45%	SD 1.02%
veran moluence	TULAI	12/1392 (0.00%)	IVIEdII U.OU70	JD 1.30%	10tal 6/13	0.40%)	IVIEATT 0.45%	3D 1.02%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male		Female	
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma	:					
		3/50 (6%) 0/50 (0%)		%) 0/50 %) 0/50	(0%) 0/50 (0%) (0%) 0/49 (0%)	2/50 (4%)
		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%) 2/50 (4%)	1/50 (2%)
		1/50 (2%)		%) 1/50	(2%) 0/50 (0%)	2/47 (4%)
		0/49 (0%)		%) 0/50	(0%) 1/47 (2%)	0/50 (0%)
		1/49 (2%)		%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	3/50 (6%) 1/50 (2	%) 0/50	(0%) 0/49 (0%)	0/50 (0%)
Overall Institutes	T-4-1	0/49 (0%)	Mana 20/ CD 2.44	1/46	(2%)	CD 4 400/
Overall Incidence	Total	28/1392 (2.01%)	Mean 2% SD 2.18		,	SD 1.42%
#Tissue NOS: Lipoma						
•		0/50 (0%)	0/50 (0%) 0/50 (0	%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		%) 0/50	(0%) 0/50 (0%)	
		0/50 (0%)		%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		%) 0/50	(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 %) 0/50	(0%) 0/50 (0%) (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)		%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/00 (0/0) 0/00 (0	0/50	(0%)	0/00 (0/0)
Overall Incidence	Total	1/1399 (0.07%)	Mean 0.07% SD 0.39		` '	SD 0%
#Tissue NOS: Paraganglioma		2(72 (224)	0.50		(201)	(00)
		0/50 (0%)		%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)		%) 0/50 %) 0/50	(0%) 0/50 (0%) (0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		%) 0/50 %) 0/50	(0%) 0/50 (0%) (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0		(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	` ,	%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/49 (0%)		%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0	%) 0/50	(0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)		0/50	(0%)	

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 77

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male	Female
#Tissue NOS:				
Schwannoma Malignant				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (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%)
Overall Incidence	Total	0/1399 (0%)	Mean 0% SD 0%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
#Tongue: Squamous Cell Carcinoma				
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	(2,0)	0/50 (0%)
Overall Incidence	Total	0/1399 (0%)	Mean 0% SD 0%	Total 1/1350 (0.07%) Mean 0.07% SD 0.38%
		,		Total 1/1000 (0.07%) Micail 0.07% OD 0.00%
#Tongue: Squamous Cell Carcinoma c	or Panillom	na Sauamous		
oquamous oen oaremoma e	or rapilion	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%)	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%)
		1/50 (2%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	1/50 (2%) 0/50 (0%)	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%) 0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/00 (0/0)	1/50 (2%)
Overell Incidence	Total	` '	Maan 0 420/ CD 0 040/	
Overall Incidence	Total	6/1399 (0.43%)	Mean 0.43% SD 0.84%	Total 7/1350 (0.52%) Mean 0.52% SD 1.05%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female **#Tonque: Squamous Cell Papilloma** 1/50 (2%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 1/50 (2%)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%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)(2%) (0%) 1/50 0/50 0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)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%)0/50 (2%) 0/49 0/50 (0%)0/50 (0%)(0%)0/50 (0%)1/50 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 6/1399 (0.43%) Mean 0.43% SD 0.84% Total 6/1350 (0.44%) Mean 0.44% SD 1.01% #Tooth: **Adamantinoma Malignant** 0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 0/50 (0%)(0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/49(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) (2%)(0%)0/50 (0%)0/50 (0%)1/50 0/50 0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 1/1399 (0.07%)Mean 0.07% SD 0.38% Total 0/1350 (0%)Mean 0% SD 0% #Tooth: Odontoma 0/50 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)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 0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/1399 (0%) SD 0% 2/1350 (0.15%) SD 0.53% Overall Incidence Total Mean 0% Total Mean 0.15%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
Urinary Bladder:								
Carcinoma		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (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%)	0/49 (0%)
		0/30 (0%)	0/50 (0%)	0/50 (0%)		0/30 (0%)	0/50 (0%)	0/49 (0%)
		0/49 (0%)	0/50 (0%)	1/50 (2%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/30 (0%)	1/50 (2%)		0/50 (0%)	0/30 (0%)	0/30 (0%)
Suggest to add to a	Tatal	` '	Mana 0.070/	CD 0.200/	Tatal	` '	Mana 00/	CD 00/
Overall Incidence	Total	1/1397 (0.07%)	Mean 0.07%	SD 0.38%	Total	0/1347 (0%)	Mean 0%	SD 0%
Urinary Bladder: Carcinoma or Papilloma								
Carcinollia or Fapiliollia		0/50 (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%)	0/30 (0/8)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	(273)	(=75)		0/50 (0%)	(2,2)	(3,3)
Overall Incidence	Total	4/1397 (0.29%)	Mean 0.29%	SD 0.72%	Total	0/1347 (0%)	Mean 0%	SD 0%
Urinary Bladder: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (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%)
		0/49 (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%)		
Overall Incidence	Total	0/1397 (0%)	Mean 0%	SD 0%	Total	1/1347 (0.07%)	Mean 0.07%	SD 0.38%

^{*:} Denominator is number of animals with tissues examined microscopically

Page: 80

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female *Urinary Bladder: Papilloma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 0/50 1/49 (2%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%) 0/50 0/50 (0%)0/50 0/50 0/50 (0%)(0%)0/50 (0%)1/50 (2%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/49 0/49 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 (0%)SD 0% **Overall Incidence** Total 3/1397 (0.21%) Mean 0.22% SD 0.63% Total 0/1347 (0%) Mean 0% #Uterus: Adenoma 0/50 0/50 0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)(0%)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%)**Overall Incidence** Total 4/1350 (0.3%)Mean 0.3% SD 0.72% #Uterus: Carcinoma 0/50 0/50 0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)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%)0/50 2/1350 (0.15%) SD 0.53% **Overall Incidence** Total Mean 0.15%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Female Male #Uterus: Deciduoma Benign 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%) 0/50 **Overall Incidence** Total 1/1350 (0.07%) Mean 0.07% SD 0.38% #Uterus: Hemangioma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 1/50 (2%)0/50 (0%)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 0.07% SD 0.38% **#Uterus:** Hemangiosarcoma 0/50 0/50 0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)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%)**Overall Incidence** 2/1350 (0.15%) SD 0.53% Total Mean 0.15%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

	Male		Female	
#Uterus:				
Leiomyoma		0/50 (00/)	0/50 (00/)	0/50 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)		
Overall Incidence	Total	1/1350 (0.07%)	Mean 0.07%	SD 0.38%
#Uterus:				
Leiomyosarcoma				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (00/)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		1/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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 0.07%	SD 0.38%
#Uterus: Polyp Stromal				
1 diyp Stromai		9/50 (18%)	6/50 (12%)	5/50 (10%)
		8/50 (16%)	10/50 (20%)	(1070)
		13/50 (26%)	2/50 (4%)	10/50 (20%)
		9/50 (18%)	7/50 (14%)	8/50 (16%)
		14/50 (28%)	8/50 (16%)	8/50 (16%)
		12/50 (24%)	13/50 (26%)	16/50 (32%)
		6/50 (12%)	10/50 (20%)	8/50 (16%)
		12/50 (24%) 6/50 (12%)	5/50 (10%)	10/50 (20%)
		6/50 (12%) 13/50 (26%)	9/50 (18%)	4/50 (8%)
Overall Incidence	Total	, ,	Moon 17 959/	SD 6.63%
Overall includince	Total	241/1350 (17.85%)	Mean 17.85%	3D 0.03%

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Uterus: Sarcoma Stromal 0/50 (0%)0/50 (0%)1/50 (2%)2/50 (4%) 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%)2/50 (4%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%) 0/50 **Overall Incidence** Total 9/1350 (0.67%) Mean 0.67% SD 1.24% #Uterus: Sarcoma Stromal or Polyp Stromal 9/50 6/50 (12%)(18%)6/50 (12%)10/50 (20%)10/50 (20%)14/50 (28%)3/50 (6%) 10/50 (20%)9/50 (18%)7/50 (14%)8/50 (16%)8/50 8/50 14/50 (28%)(16%)(16%)13/50 (26%)15/50 (30%)17/50 (34%)6/50 10/50 (20%)(16%)(12%)8/50 12/50 (24%)5/50 (10%)10/50 (20%)6/50 (12%)9/50 (8%) (18%)4/50 13/50 (26%)**Overall Incidence** Total 250/1350 (18.52%) Mean 18.52% SD 6.96% #Uterus: Schwannoma Malignant 0/50 0/50 0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%)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** 2/1350 (0.15%) SD 0.53% Total Mean 0.15%

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^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Length of Study: CHRONIC

Contract/Lab: All Laboratories

		Male					Female			
#Vagina: Polyp										
						0/50 0/50	(0%) (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 0/50	(0%) (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
						0/50	(0%)	0/50 (0%)	0/50 (0%)	
						0/50	(0%)	0/50 (0%)	0/50 (0%)	
						0/50	(0%)	0/00 (0/0)	0/00 (0/0)	
Overall Incidence					Total	3/1350 (` '	Mean 0.22%	SD 0.85%	
#\/agina:										
#Vagina: Sarcoma						0/50	(00()	0/50 (00/)	0/50 (00/)	
						0/50 1/50	(0%) (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	
						0/50	(2%) (0%)	0/50 (0%)	0/50 (0%)	
						0/50	(0%)	0/50 (0%)	0/50 (0%)	
						0/50	(0%)	0/50 (0%)	0/50 (0%)	
						1/50	(2%)	0/50 (0%)	0/50 (0%)	
						0/50	(0%)	0/50 (0%)	0/50 (0%)	
						0/50	(0%)	0/50 (0%)	0/50 (0%)	
						0/50 0/50	(0%) (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	2/1350 (0	(0.15%)	Mean 0.15%	SD 0.53%	
#Zymbal's Gland:										
Adenoma										
7.40		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50	(0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50	(0%)	0/50 (0%)	,	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50	(0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50	(0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50	(0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 0/50	(0%) (0%)	0/50 (0%) 0/50 (0%)	0/50 (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%)		0/50	(0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0,00 (0,70)	1700 (270)		0/50	(0%)	0/00 (0/0)	3/33 (3/0)	
Overall Incidence	Total	` '	Mean 0.14%	SD 0.52%	Total		` '	Mean 0%	SD 0%	
verall Incidence	Total	2/1399 (0.14%)	Mean 0.14%	SD 0.52%	Total	0/1350 ((0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Toxicology

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male			Female	
#Zymbal's Gland: Carcinoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	(,
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)
		1/50 (2%)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)			0/50 (0%)		
Overall Incidence	Total	9/1399 (0.64%	Mean 0.64%	SD 1.45% To	otal 8/1350 (0.59%)	Mean 0.59%	SD 0.93%
#Zymbal's Gland: Carcinoma or Adenoma							
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	, ,
		4/50 (00/)	0/50 (0%)	0/50 (0%)	4/50 (20/)		0/50 (00/)
		1/50 (2%)	0/30 (0/0)	0/30 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
			` ,		` ,		
		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%) 3/50 (6%)	1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)
		0/50 (0%) 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%) 3/50 (6%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (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%) 2/50 (4%) 3/50 (6%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 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%) 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%) 2/50 (4%) 3/50 (6%) 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%) 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%) 2/50 (4%) 3/50 (6%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 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%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied