

NTP Historical Controls Report

By Route and Vehicle

MICE

November 2014

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

This report is broken up into sections based on the route and vehicle used to deliver the chemical. The Table of Contents on Page 3 shows the different Route/Vehicle combinations. To see the data from all routes and vehicles combined into one set, you must run the "All Routes" report.

The individual tumor rates shown on the data pages of the report relate to the Study Summary page as follows: the tumor rates are shown in the same order as the Study Summary page, except that they are grouped horizontally in sets of three, with the males in the first set of three and the females in the second set. For example if the study summary showed the studies like this:

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

the data would be shown as:

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

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

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

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

Study Summary												
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical					
					Male							
Battelle Columbus Laboratory	059903104	03/17/05	726	50(1)	34(687)	54.6	Ginkgo biloba extract					
Battelle Columbus Laboratory	052000604	04/03/07	730	50(1)	26(663)	55.6	Indole-3-carbinol					
Battelle Columbus Laboratory	052000706	08/24/04	730	50(1)	34(689)	56.4	Kava kava extract					
Battelle Columbus Laboratory	052010704	10/26/04	730	50(1)	34(665)	55.7	N,N-Dimethyl-p-toluidine					
Southern Research Institute	052020904	02/25/08	729	50(1)	29(657)	55.3	Pentabromodiphenyl oxide (technical) (DE 71)					
Battelle Columbus Laboratory	052032004	08/07/07	730	50(1)	33(687)	55.8	Tetrabromobisphenol A					
					Female							
Battelle Columbus Laboratory	059903104	03/18/05	727	50(5)	31(628)	64.5	Ginkgo biloba extract					
Battelle Columbus Laboratory	052000604	04/02/07	729	50(5)	33(702)	66.6	Indole-3-carbinol					
Battelle Columbus Laboratory	052000706	08/23/04	729	50(5)	38(695)	66.2	Kava kava extract					
Battelle Columbus Laboratory	052010704	10/25/04	729	50(5)	43(715)	66.6	N,N-Dimethyl-p-toluidine					
Southern Research Institute	052020904	02/25/08	731	50(5)	33(679)	57.7	Pentabromodiphenyl oxide (technical) (DE 71)					
Battelle Columbus Laboratory	052032004	08/06/07	729	50(5)	40(711)	66.5	Tetrabromobisphenol A					

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

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			Male				Female	
#All Organs: Benign Tumors								
		38/50 (76%)	33/50 (66%)	34/50 (68%)		25/50 (50%)	17/50 (34%)	26/50 (52%)
Overall Incidence	Total	36/50 (72%) 209/300 (69.67%)	30/50 (60%) Mean 69.67%	38/50 (76%) SD 6.25%	Total	24/50 (48%) 138/300 (46%)	24/50 (48%) Mean 46%	22/50 (44%) SD 6.45%
#All Organs: Malignant Tumors								
-		35/50 (70%)	27/50 (54%)	32/50 (64%)		28/50 (56%)	19/50 (38%)	19/50 (38%)
		29/50 (58%)	27/50 (54%)	21/50 (42%)		21/50 (42%)	16/50 (32%)	18/50 (36%)
Overall Incidence	Total	171/300 (57%)	Mean 57%	SD 9.61%	Total	121/300 (40.33%)	Mean 40.33%	SD 8.33%
#All Organs: Malignant and Benign T		44/50 (88%) 45/50 (90%)	48/50 (96%) 40/50 (80%)	47/50 (94%) 47/50 (94%)	T-4-'	35/50 (70%) 35/50 (70%)	30/50 (60%) 34/50 (68%)	39/50 (78%) 32/50 (64%)
Overall Incidence	Total	271/300 (90.33%)	Mean 90.33%	SD 5.85%	Total	205/300 (68.33%)	Mean 68.33%	SD 6.12%
‡All Organs: Hemangioma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	2/50 (4%) 2/50 (4%)		0/50 (0%) 1/50 (2%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 2.07%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.03%
#All Organs: Hemangiosarcoma								
-		9/50 (18%)	4/50 (8%)	6/50 (12%)		2/50 (4%)	0/50 (0%)	1/50 (2%)
		8/50 (16%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014
Contract/Lab: All Laboratories
Species: MICE
Strain: B6C3F1
Length of Study: CHRONIC

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

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			Male				Female	
#All Organs: Hemangiosarcoma or He	mangioma							
•	•	9/50 (18%)	4/50 (8%)	8/50 (16%)		2/50 (4%)	1/50 (2%)	1/50 (2%)
		8/50 (16%)	1/50 (2%)	3/50 (6%)		1/50 (2%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	33/300 (11%)	Mean 11%	SD 6.54%	Total	8/300 (2.67%)	Mean 2.67%	SD 1.03%
#All Organs: Histiocytic Sarcoma								
-		0/50 (0%)	2/50 (4%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	3/50 (6%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	7/300 (2.33%)	Mean 2.33%	SD 1.97%
		1/50 (2%)	3/50 (6%)	2/50 (4%)		11/50 (22%)	6/50 (12%)	6/50 (12%)
.	-	4/50 (8%)	5/50 (10%)	2/50 (4%) 3/50 (6%)	T . 1	15/50 (30%)	7/50 (14%)	9/50 (18%)
#All Organs:	Total	. ,	5/50 (10%) Mean 6%	3/50 (6%) SD 2.83%	Total	15/50 (30%) 54/300 (18%)	()	· · ·
		4/50 (8%) 18/300 (6%)	5/50 (10%) Mean 6%	3/50 (6%) SD 2.83%		15/50 (30%) 54/300 (18%)	7/50 (14%) Mean 18%	9/50 (18%) SD 7.04%
#All Organs:		4/50 (8%) 18/300 (6%) 0/50 (0%)	5/50 (10%) Mean 6% 0/50 (0%)	3/50 (6%) SD 2.83% 0/50 (0%)		15/50 (30%) 54/300 (18%) 0/50 (0%)	7/50 (14%) Mean 18% 0/50 (0%)	9/50 (18%) SD 7.04% 0/50 (0%)
#All Organs: Mesothelioma: Benign		4/50 (8%) 18/300 (6%) 0/50 (0%) 0/50 (0%)	5/50 (10%) Mean 6% 0/50 (0%) 0/50 (0%)	3/50 (6%) SD 2.83% 0/50 (0%) 0/50 (0%)		15/50 (30%) 54/300 (18%) 0/50 (0%) 0/50 (0%)	7/50 (14%) Mean 18% 0/50 (0%) 0/50 (0%)	9/50 (18%) SD 7.04% 0/50 (0%) 0/50 (0%)
#All Organs:		4/50 (8%) 18/300 (6%) 0/50 (0%)	5/50 (10%) Mean 6% 0/50 (0%)	3/50 (6%) SD 2.83% 0/50 (0%)		15/50 (30%) 54/300 (18%) 0/50 (0%)	7/50 (14%) Mean 18% 0/50 (0%)	9/50 (18%) SD 7.04% 0/50 (0%)
#All Organs: Mesothelioma: Benign Overall Incidence	Total	4/50 (8%) 18/300 (6%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	5/50 (10%) Mean 6% 0/50 (0%) 0/50 (0%) Mean 0%	3/50 (6%) SD 2.83% 0/50 (0%) 0/50 (0%) SD 0%		15/50 (30%) 54/300 (18%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	7/50 (14%) Mean 18% 0/50 (0%) 0/50 (0%) Mean 0%	9/50 (18%) SD 7.04% 0/50 (0%) 0/50 (0%) SD 0%
#All Organs: Mesothelioma: Benign Overall Incidence #All Organs:	Total	4/50 (8%) 18/300 (6%) 0/50 (0%) 0/300 (0%) 0/50 (0%)	5/50 (10%) Mean 6% 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%)	3/50 (6%) SD 2.83% 0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)		15/50 (30%) 54/300 (18%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	7/50 (14%) Mean 18% 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%)	9/50 (18%) SD 7.04% 0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)
#All Organs: Mesothelioma: Benign Overall Incidence #All Organs:	Total	4/50 (8%) 18/300 (6%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	5/50 (10%) Mean 6% 0/50 (0%) 0/50 (0%) Mean 0%	3/50 (6%) SD 2.83% 0/50 (0%) 0/50 (0%) SD 0%		15/50 (30%) 54/300 (18%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	7/50 (14%) Mean 18% 0/50 (0%) 0/50 (0%) Mean 0%	9/50 (18%) SD 7.04% 0/50 (0%) 0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#All Organs: Mesothelioma: Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		. ,						
#All Organs: Osteoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T . (.)	0/50 (0%)	0/50 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma or Osteoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
*Adrenal Cortex: Adenoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	2/49 (4%)	0/50 (0%)
		3/50 (6%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 2.34%	Total	2/299 (0.67%)	Mean 0.68%	SD 1.67%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Adrenal Medulla: Pheochromocytoma B	enign							
		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%)	0/49 (0%)	1/50 (2%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	3/298 (1.01%)	Mean 1%	SD 1.67%
Adrenal Medulla: Pheochromocytoma M	lalignant							
		0/50 (0%)	0/50 (0%)	0/50 (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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
	Janian Camples	· Malianant NOS						
		c, Malignant, NOS 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 1/50 (2%) Mean 0.33%	0/50 (0%) 0/50 (0%) SD 0.82%	Total	0/50 (0%) 2/50 (4%) 3/298 (1.01%)	0/49 (0%) 0/49 (0%) Mean 1%	0/50 (0%) 1/50 (2%) SD 1.67%
Overall Incidence #Blood Vessel:	Benign, Complex Total	0/50 (0%)	()		Total	()	()	()
Overall Incidence		0/50 (0%) 0/50 (0%) 1/300 (0.33%)	1/50 (2%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	2/50 (4%) 3/298 (1.01%)	0/49 (0%) Mean 1%	1/50 (2%) SD 1.67%
Overall Incidence #Blood Vessel:		0/50 (0%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%)	1/50 (2%) Mean 0.33% 0/50 (0%)	0/50 (0%) SD 0.82% 0/50 (0%)	Total	2/50 (4%) 3/298 (1.01%) 0/50 (0%)	0/49 (0%) Mean 1% 1/50 (2%)	1/50 (2%) SD 1.67% 0/50 (0%)
Overall Incidence #Blood Vessel: Hemangioma		0/50 (0%) 0/50 (0%) 1/300 (0.33%)	1/50 (2%) Mean 0.33% 0/50 (0%)	0/50 (0%) SD 0.82%	Total	2/50 (4%) 3/298 (1.01%)	0/49 (0%) Mean 1%	1/50 (2%) SD 1.67%
Dverall Incidence #Blood Vessel: Hemangioma Dverall Incidence	Total	0/50 (0%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/50 (0%)	1/50 (2%) Mean 0.33% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0.82% 0/50 (0%) 0/50 (0%) SD 0%	Total	2/50 (4%) 3/298 (1.01%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/49 (0%) Mean 1% 1/50 (2%) 0/50 (0%) Mean 0.33%	1/50 (2%) SD 1.67% 0/50 (0%) 0/50 (0%)
Overall Incidence #Blood Vessel: Hemangioma Overall Incidence *Bone Marrow:	Total	0/50 (0%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	1/50 (2%) Mean 0.33% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0.82% 0/50 (0%) 0/50 (0%) SD 0%	Total	2/50 (4%) 3/298 (1.01%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/49 (0%) Mean 1% 1/50 (2%) 0/50 (0%) Mean 0.33%	1/50 (2%) SD 1.67% 0/50 (0%) 0/50 (0%)
Overall Incidence #Blood Vessel: Hemangioma Overall Incidence 'Bone Marrow:	Total	0/50 (0%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	1/50 (2%) Mean 0.33% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0.82% 0/50 (0%) 0/50 (0%) SD 0%	Total	2/50 (4%) 3/298 (1.01%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/49 (0%) Mean 1% 1/50 (2%) 0/50 (0%) Mean 0.33%	1/50 (2%) SD 1.67% 0/50 (0%) 0/50 (0%) SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Bone Marrow: Hemangiosarcoma								
		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%)	0/50 (0%) 0/50 (0%)
overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	0/299 (0%)	Mean 0%	SD 0%
Bone Marrow: Mast Cell Tumor Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Numell In elden e e	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Bone Marrow: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/49 (0%)	0/50 (0%)
Jverali incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
fBone: Fibroma								
		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%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0.33%	1/50 (2%) SD 0.82%
	10(8)	0/300 (0%)		JU U%	10181	1/300 (0.33%)		JU U.02%
#Bone: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Insidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Bone: 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Bone: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma or Oste	oma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Bone: 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%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Brain: Granular Cell Tumor B	enign							
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Brain: Meningioma 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Brain: Meningioma: Benign, M	lalignant, NOS							
	0	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma Mal	lignant							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma, Gli	oma, or Astrocy	rtoma						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Hemangioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/297 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Clitoral/Preputial Gland: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/297 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%
Coagulating Gland: Granular Cell Tumor								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#Coagulating Gland: 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%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Eye: Melanoma 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Harderian Gland: Adenoma								
		4/50 (8%)	6/50 (12%)	5/50 (10%)		5/50 (10%)	3/50 (6%)	5/50 (10%)
		11/50 (22%)	5/50 (10%)	7/50 (14%)		1/50 (2%)	9/50 (18%)	2/50 (4%)
Overall Incidence	Total	38/300 (12.67%)	Mean 12.67%	SD 5.01%	Total	25/300 (8.33%)	Mean 8.33%	SD 5.72%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Harderian Gland: Carcinoma								
		3/50 (6%) 0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/300 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 2.19%	Total	3/300 (1%)	1/50 (2%) Mean 1%	1/50 (2%) SD 1.1%
Harderian Gland: Carcinoma or Adenoma								
		7/50 (14%)	7/50 (14%)	5/50 (10%)		6/50 (12%)	3/50 (6%)	5/50 (10%)
Duarall Incidence	Total	11/50 (22%)	6/50 (12%)	8/50 (16%)	Total	1/50 (2%)	10/50 (20%)	3/50 (6%)
Overall Incidence	Total	44/300 (14.67%)	Mean 14.67%	SD 4.13%	Total	28/300 (9.33%)	Mean 9.33%	SD 6.28%
*Heart: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Large: Cecum: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		0/300 (0%)		50 0%		0/300 (0%)		30 0%
#Intestine Large: Cecum: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%)	0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	Total	()	Mean 0%		Total	0/300 (0%)		

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Intestine Large: Cecum: 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%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Large: Cecum: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Small: Duodenum: Adenoma								
		0/50 (0%)	2/50 (4%)	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%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
#Intestine Small: Duodenum: 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Intestine Small: Ileum: 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
fIntestine Small: Jejunum: Adenoma								
		0/50 (0%)	1/50 (2%)	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%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Small: Jejunum: Carcinoma								
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Small: Site Unspec Adenoma	cified:							
		0/50 (0%)	3/50 (6%)	2/50 (4%)		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%)
Overall Incidence	Total	6/300 (2%)	Mean 2%	SD 2.53%	Total	3/300 (1%)	Mean 1%	SD 1.67%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Intestine Small: Site Uns Carcinoma	specified:							
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	0/300 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Carcinoma or Adenoma	specified:							
		1/50 (2%)	3/50 (6%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	9/300 (3%)	Mean 3%	SD 2.76%	Total	3/300 (1%)	Mean 1%	SD 1.67%
#Intestine Small: Site Uns Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
'Islets, Pancreatic: Adenoma								
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.03%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
Islets, Pancreatic: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Islets, Pancreatic: Carcinoma or Adenoma								
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		2/50 (4%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 1.51%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
Kidney: Pelvis and Transiti Carcinoma	onal Epitheli	um:						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transiti Carcinoma or Adenoma Overall Incidence	onal Epitheli Total	um: 0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%
Kidney: Renal Tubule: Adenoma							- / /)	
		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%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%
		2/300 (0.07 /0)				0/000 (070)		
Kidney: Renal Tubule: 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Kidney: Renal Tubule: Carcinoma or Adenoma								
		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%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Hemangioma								
•		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
'Liver: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
S	T . (.)	0/50 (0%)	0/50 (0%)	2/50 (4%)	T = 1 = 1	1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
'Liver: Hemangiosarcoma								
		9/50 (18%)	4/50 (8%)	5/50 (10%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
• ••• ••	T ()	6/50 (12%)	0/50 (0%)	0/50 (0%)	T	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	24/300 (8%)	Mean 8%	SD 7.04%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Liver: Hepatoblastoma								
		3/50 (6%)	3/50 (6%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/50 (2%) 10/300 (3.33%)	1/50 (2%) Mean 3.33%	2/50 (4%) SD 2.42%	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
		10/300 (3.3378)				· /		
Liver: Hepatocellular Adenon	na							
		31/50 (62%)	26/50 (52%)	27/50 (54%)		17/50 (34%)	7/50 (14%)	8/50 (16%)
		29/50 (58%)	23/50 (46%)	32/50 (64%)		17/50 (34%)	5/50 (10%)	13/50 (26%)
Overall Incidence	Total	168/300 (56%)	Mean 56%	SD 6.69%	Total	67/300 (22.33%)	Mean 22.33%	SD 10.46%
Liver: Hepatocellular Carcino	oma							
		22/50 (44%)	12/50 (24%)	20/50 (40%)		9/50 (18%)	6/50 (12%)	3/50 (6%)
	-	22/50 (44%)	18/50 (36%)	11/50 (22%)	T ()	6/50 (12%)	4/50 (8%)	2/50 (4%)
Overall Incidence	Total	105/300 (35%)	Mean 35%	SD 9.78%	Total	30/300 (10%)	Mean 10%	SD 5.06%
Liver: Hepatocellular Carcino								
		24/50 (48%)	15/50 (30%)	20/50 (40%)		10/50 (20%)	6/50 (12%)	3/50 (6%)
		22/50 (44%)	18/50 (36%)	12/50 (24%)		6/50 (12%)	4/50 (8%)	2/50 (4%)
Overall Incidence	Total	111/300 (37%)	Mean 37%	SD 8.92%	Total	31/300 (10.33%)	Mean 10.33%	SD 5.72%
Liver: Hepatocellular Carcino	oma or Hepatoc	ellular Adenoma						
•	•	39/50 (78%)	35/50 (70%)	38/50 (76%)		20/50 (40%)	12/50 (24%)	10/50 (20%)
		38/50 (76%)	31/50 (62%)	39/50 (78%)		20/50 (40%)	8/50 (16%)	15/50 (30%)
Overall Incidence	Total	220/300 (73.33%)	Mean 73.33%	SD 6.28%	Total	85/300 (28.33%)	Mean 28.33%	SD 10.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014
Contract/Lab: All Laboratories
Species: MICE
Strain: B6C3F1
Length of Study: CHRONIC

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

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			Male				Female	
Liver:								
Hepatocellular Carcinoma	Hepatocell	· ·						
		39/50 (78%)	36/50 (72%)	38/50 (76%)		20/50 (40%)	12/50 (24%)	10/50 (20%)
	-	38/50 (76%)	31/50 (62%)	39/50 (78%)		20/50 (40%)	8/50 (16%)	15/50 (30%)
Overall Incidence	Total	221/300 (73.67%)	Mean 73.67%	SD 6.12%	Total	85/300 (28.33%)	Mean 28.33%	SD 10.15%
Liver: Hepatocholangiocarcinom	а							
		0/50 (0%)	0/50 (0%)	4/50 (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%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 3.27%	Total	0/300 (0%)	Mean 0%	SD 0%
Liver: Ito Cell Tumor Benign								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
Liver: Mast Cell Tumor Malignan								
_		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
'Liver: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
*Lung: Alveolar/Bronchiolar Ader	noma							
		8/50 (16%)	4/50 (8%)	9/50 (18%)		0/50 (0%)	1/50 (2%)	2/50 (4%)
		11/50 (22%)	5/50 (10%)	6/50 (12%)		2/50 (4%)	1/50 (2%)	5/50 (10%)
Overall Incidence	Total	43/300 (14.33%)	Mean 14.33%	SD 5.28%	Total	11/300 (3.67%)	Mean 3.67%	SD 3.44%
*Lung: Alveolar/Bronchiolar Carc	cinoma							
		11/50 (22%)	4/50 (8%)	2/50 (4%)		1/50 (2%)	2/50 (4%)	2/50 (4%)
		2/50 (4%)	5/50 (10%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	28/300 (9.33%)	Mean 9.33%	SD 6.65%	Total	6/300 (2%)	Mean 2%	SD 1.79%
*Lung: Alveolar/Bronchiolar Carc	cinoma or Alv			11/50 (22%)		1/50 (2%)	3/50 (6%)	4/50 (8%)
	cinoma or Alv Total	17/50 (34%) 13/50 (26%)	oma 8/50 (16%) 10/50 (20%) Mean 23%	11/50 (22%) 10/50 (20%) SD 6.29%	Total	1/50 (2%) 2/50 (4%) 17/300 (5.67%)	3/50 (6%) 1/50 (2%) Mean 5.67%	4/50 (8%) 6/50 (12%) SD 3.88%
Alveolar/Bronchiolar Carc Overall Incidence *Lung:		17/50 (34%)	8/50 (16%) 10/50 (20%) Mean 23%	10/50 (20%)		2/50 (4%) 17/300 (5.67%)	1/50 (2%)	()
Alveolar/Bronchiolar Carc		17/50 (34%) 13/50 (26%) 69/300 (23%)	8/50 (16%) 10/50 (20%) Mean 23%	10/50 (20%) SD 6.29%		2/50 (4%) 17/300 (5.67%)	1/50 (2%) Mean 5.67%	6/50 (12%) SD 3.88%
Alveolar/Bronchiolar Carc Overall Incidence *Lung:		17/50 (34%) 13/50 (26%) 69/300 (23%)	8/50 (16%) 10/50 (20%) Mean 23%	10/50 (20%) SD 6.29%		2/50 (4%) 17/300 (5.67%)	1/50 (2%)	6/50 (12%)
Alveolar/Bronchiolar Carc Overall Incidence *Lung:		17/50 (34%) 13/50 (26%) 69/300 (23%) 1/50 (2%)	8/50 (16%) 10/50 (20%) Mean 23% 0/50 (0%)	10/50 (20%) SD 6.29% 0/50 (0%)		2/50 (4%) 17/300 (5.67%) 0/50 (0%)	1/50 (2%) Mean 5.67% 0/50 (0%)	6/50 (12%) SD 3.88% 0/50 (0%)
Alveolar/Bronchiolar Carc Overall Incidence *Lung: Hemangiosarcoma	Total Total	17/50 (34%) 13/50 (26%) 69/300 (23%) 1/50 (2%) 1/50 (2%)	8/50 (16%) 10/50 (20%) Mean 23% 0/50 (0%) 0/50 (0%)	10/50 (20%) SD 6.29% 0/50 (0%) 0/50 (0%)		2/50 (4%) 17/300 (5.67%) 0/50 (0%) 0/50 (0%)	1/50 (2%) Mean 5.67% 0/50 (0%) 0/50 (0%)	6/50 (12%) SD 3.88% 0/50 (0%) 0/50 (0%)
Alveolar/Bronchiolar Carc Overall Incidence *Lung: Hemangiosarcoma Overall Incidence #Lymph Node, Mandibular:	Total Total	17/50 (34%) 13/50 (26%) 69/300 (23%) 1/50 (2%) 1/50 (2%)	8/50 (16%) 10/50 (20%) Mean 23% 0/50 (0%) 0/50 (0%)	10/50 (20%) SD 6.29% 0/50 (0%) 0/50 (0%)		2/50 (4%) 17/300 (5.67%) 0/50 (0%) 0/50 (0%)	1/50 (2%) Mean 5.67% 0/50 (0%) 0/50 (0%)	6/50 (12%) SD 3.88% 0/50 (0%) 0/50 (0%)
Alveolar/Bronchiolar Carc Overall Incidence *Lung: Hemangiosarcoma Overall Incidence #Lymph Node, Mandibular:	Total Total	17/50 (34%) 13/50 (26%) 69/300 (23%) 1/50 (2%) 1/50 (2%) 2/300 (0.67%)	8/50 (16%) 10/50 (20%) Mean 23% 0/50 (0%) 0/50 (0%) Mean 0.67%	10/50 (20%) SD 6.29% 0/50 (0%) 0/50 (0%) SD 1.03%		2/50 (4%) 17/300 (5.67%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	1/50 (2%) Mean 5.67% 0/50 (0%) 0/50 (0%) Mean 0%	6/50 (12%) SD 3.88% 0/50 (0%) 0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male					Female	
#Lymph Node, Mediastinal: Mast Cell Tumor Malignant									
		0/50 (0%) 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	· /	Total	0/300 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangiosarcoma									
-		0/50 (0%)	0/50 (0%)		(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)		(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%		Total	0/300 (0%)	Mean 0%	SD 0%
#Mammary Gland: Carcinoma									
		0/50 (0%)	0/50 (0%)		(0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		(0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%		Total	3/300 (1%)	Mean 1%	SD 1.1%
#Mammary Gland: Carcinoma or Adenoma									
		0/50 (0%)	0/50 (0%)		(0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
• ••• ••	-	0/50 (0%)	0/50 (0%)		(0%)	T ()	1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%		Total	3/300 (1%)	Mean 1%	SD 1.1%
#Mammary Gland: Fibroma, Fibroadenoma, Ca	ircinoma, o	r Adenoma							
		0/50 (0%)	0/50 (0%)		(0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)		(0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%		Total	3/300 (1%)	Mean 1%	SD 1.1%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Mesentery: 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mesentery: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mesentery: 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%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Nose: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
*Nose: Hemangiosarcoma								
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	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	0/299 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucos Papilloma Squamous d	a, Tongue, Phar	ynx, Tooth, Gingiva):						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Oral Cavity (Oral Mucos Squamous Cell Carcin								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 2/300 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.03%
		0/300 (078)				()		
#Oral Cavity (Oral Mucos Squamous Cell Carcin		ynx, Tooth, Gingiva): Squamous, or Papilloma 0/50 (0%)	0/50 (0%)	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%) 2/50 (4%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	3/300 (1%)	Mean 1%	SD 1.67%
#Oral Mucosa: Squamous Cell Carcine	oma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL		Page: 25 Report Date: 11/11/2014			
	Male	Female				
Ovary:						
Choriocarcinoma		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/48 (0%)	0/49 (0%) 0/50 (0%)		
verall Incidence	Total	1/297 (0.34%)	Mean 0.33%	SD 0.82%		
Dvary:						
Cystadenocarcinoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/48 (0%)	0/49 (0%) 0/50 (0%)		
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%		
Dvary: Cystadenoma						
		2/50 (4%) 1/50 (2%)	1/50 (2%) 2/48 (4%)	5/49 (10%) 2/50 (4%)		
verall Incidence	Total	13/297 (4.38%)	Mean 4.4%	SD 3.02%		
Dvary:						
Granulosa Cell Tumor Benign		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/48 (2%)	0/49 (0%) 0/50 (0%)		
Overall Incidence	Total	1/297 (0.34%)	Mean 0.35%	SD 0.85%		
Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS						
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/48 (2%)	0/49 (0%) 0/50 (0%)		
Overall Incidence	Total	1/297 (0.34%)	Mean 0.35%	SD 0.85%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL		Page: 26 Report Date: 11/11/2014			
	Male		Female			
*Ovary: Hemangioma		0/50 (0%)	0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/50 (0%) 0/297 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%		
*Ovary: Hemangiosarcoma		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/48 (0%)	0/49 (0%) 0/50 (0%)		
Overall Incidence	Total	1/297 (0.34%)	Mean 0.33%	SD 0.82%		
*Ovary: Luteoma Overall Incidence	Total	0/50 (0%) 0/50 (0%) 1/297 (0.34%)	0/50 (0%) 0/48 (0%) Mean 0.34%	1/49 (2%) 0/50 (0%) SD 0.83%		
*Ovary: Sarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/48 (0%)	0/49 (0%) 0/50 (0%)		
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%		
*Ovary: Tubulostromal Adenoma		0/50 (0%)	1/50 (2%)	0/49 (0%)		
Overall Incidence	Total	1/50 (2%) 2/297 (0.67%)	0/48 (0%) Mean 0.67%	0/50 (0%) SD 1.03%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Tur	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL						Page: 27 Report Date: 11/11/2014			
		Male						······.		I	Female		
*Ovary: Yolk Sac Carcinoma								0/50	(00())	0/50	(00/)	0/40	(00())
								0/50 0/50	(0%) (0%)	0/50 0/48	(0%) (0%)	0/49 0/50	(0%) (0%)
Overall Incidence							Total	0/297 (()		an 0%	SD	()
*Pancreas: Carcinoma													
		0/50 (0%	,	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50 (0%	,	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/300 (0%)	Mean		SD 0%		Total	0/299 (· · ·		an 0%	SD	0%
*Pancreas: Carcinoma or Adenoma													
		0/50 (0%	,	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)
		0/50 (0%	,	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/300 (0%)	Mean		SD 0%		Total	0/299 (0%)	Mea	an 0%	SD	0%
Pituitary Gland: Pars Distalis Adenoma													
		0/49 (0%	o) 0/50	(0%)	0/49	(0%)		4/50	(8%)	3/49	(6%)	2/50	(4%)
		0/50 (0%	,	(0%)	0/50	(0%)		0/48	(0%)	5/50	(10%)	1/50	(2%)
Overall Incidence	Total	0/295 (0%)	Mean		SD 0%		Total	15/297 (5	,		5.02%	SD 3	.75%
*Pituitary Gland: Pars Distalis Carcinoma or Adenoma													
		0/49 (0%	,	(0%)	0/49	(0%)		4/50	(8%)	3/49	(6%)	2/50	(4%)
		0/50 (0%	,	(0%)	0/50	(0%)		0/48	(0%)	5/50	(10%)	1/50	(2%)
Overall Incidence	Total	0/295 (0%)	Mean	0%	SD 0%		Total	15/297 (5	5.05%)	Mean	5.02%	SD 3	.75%

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

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			Male				Female	
Pituitary Gland: Pars Interm Adenoma	edia:							
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/47 (0%)	1/49 (2%) 0/50 (0%)		1/50 (2%) 0/48 (0%)	1/49 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
Overall Incidence	Total	1/295 (0.34%)	Mean 0.34%	SD 0.83%	Total	3/297 (1.01%)	Mean 1.01%	SD 1.1%
Pituitary Gland: Pars Interm Carcinoma or Adenoma								
		0/49 (0%)	0/50 (0%)	1/49 (2%)		1/50 (2%)	1/49 (2%)	1/50 (2%)
	T	0/50 (0%)	0/47 (0%)	0/50 (0%)	-	0/48 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/295 (0.34%)	Mean 0.34%	SD 0.83%	Total	3/297 (1.01%)	Mean 1.01%	SD 1.1%
*Salivary Glands: Adenoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
'Salivary Glands: Carcinoma or Adenoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	1/50 (2%) 1/299 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
	10tai	1/300 (0.33%)	Wear 0.33%	5D 0.62%	10181	1/299 (0.33%)	Iviean 0.33%	SD 0.82%
*Salivary Glands: Hemangiosarcoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
O	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Salivary Glands: Myxoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Skeletal Muscle: Hemangiosarcoma								
-		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skeletal Muscle: Rhabdomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	3/50 (6%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	4/300 (1.33%)	Mean 1.33%	SD 2.42%
#Skeletal Muscle: Rhabdomyosarcoma or	r Rhabdomyoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	3/50 (6%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	4/300 (1.33%)	Mean 1.33%	SD 2.42%
#Skeletal Muscle: 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%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Skin: Basal Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		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%)
Verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
Skin: Basal Cell Carcinoma	or Basosquamo	us Tumor (malignant or N	105)					
Basal Cell Carcinollia	or Basosquamot	0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
-		oma, Basosquamous Tu				1/50 (2%)	0/50 (0%)	0/50 (0%)
		oma, Basosquamous Tu 0/50 (0%) 0/50 (0%) 0/300 (0%)	mor (benign, malignar 0/50 (0%) 0/50 (0%) Mean 0%	nt or 0/50 (0%) 0/50 (0%) SD 0%	Total	1/50 (2%) 0/50 (0%) 2/300 (0.67%)	0/50 (0%) 0/50 (0%) Mean 0.67%	0/50 (0%) 1/50 (2%) SD 1.03%
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci	lioma Total inoma, Carcinom	0/50 (0%) 0/50 (0%) 0/300 (0%) na, Basosq. Tumor (M or eratoacanthoma, Trichoe	0/50 (0%) 0/50 (0%) Mean 0% B), Basal Cell Adenon pithelioma	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 2/300 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.03%
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence Skin: Basal or Sq. Cell Carci	lioma Total inoma, Carcinom	0/50 (0%) 0/50 (0%) 0/300 (0%) na, Basosq. Tumor (M or eratoacanthoma, Trichoe	0/50 (0%) 0/50 (0%) Mean 0% B), Basal Cell Adenon pithelioma	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%)	1/50 (2%)
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci Adenoma, Papilloma, S	lioma Total inoma, Carcinom Sq Papilloma, Ke Total	0/50 (0%) 0/50 (0%) 0/300 (0%) ma, Basosq. Tumor (M or pratoacanthoma, Trichoe 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0% B), Basal Cell Adenon pithelioma 0/50 (0%) 0/50 (0%) Mean 0.33%	0/50 (0%) 0/50 (0%) SD 0% na, 0/50 (0%) 1/50 (2%) SD 0.82%	Total	0/50 (0%) 2/300 (0.67%) 1/50 (2%) 1/50 (2%) 3/300 (1%)	0/50 (0%) Mean 0.67% 0/50 (0%) 0/50 (0%) Mean 1%	1/50 (2%) SD 1.03% 0/50 (0%)
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci Adenoma, Papilloma, S Overall Incidence	lioma Total inoma, Carcinom Sq Papilloma, Ke Total	0/50 (0%) 0/50 (0%) 0/300 (0%) a, Basosq. Tumor (M or eratoacanthoma, Trichoe 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0% B), Basal Cell Adenon pithelioma 0/50 (0%) 0/50 (0%) Mean 0.33%	0/50 (0%) 0/50 (0%) SD 0% na, 0/50 (0%) 1/50 (2%) SD 0.82%	Total	0/50 (0%) 2/300 (0.67%) 1/50 (2%) 1/50 (2%) 3/300 (1%)	0/50 (0%) Mean 0.67% 0/50 (0%) 0/50 (0%) Mean 1%	1/50 (2%) SD 1.03% 0/50 (0%) 1/50 (2%)
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci Adenoma, Papilloma, S Overall Incidence	lioma Total inoma, Carcinom Sq Papilloma, Ke Total	0/50 (0%) 0/50 (0%) 0/300 (0%) ma, Basosq. Tumor (M or pratoacanthoma, Trichoe 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0% B), Basal Cell Adenon pithelioma 0/50 (0%) 0/50 (0%) Mean 0.33%	0/50 (0%) 0/50 (0%) SD 0% na, 0/50 (0%) 1/50 (2%) SD 0.82%	Total	0/50 (0%) 2/300 (0.67%) 1/50 (2%) 1/50 (2%) 3/300 (1%)	0/50 (0%) Mean 0.67% 0/50 (0%) 0/50 (0%) Mean 1%	1/50 (2%) SD 1.03% 0/50 (0%) 1/50 (2%)
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci Adenoma, Papilloma, S Overall Incidence	lioma Total inoma, Carcinom Sq Papilloma, Ke Total	0/50 (0%) 0/50 (0%) 0/300 (0%) ma, Basosq. Tumor (M or eratoacanthoma, Trichoe 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0% B), Basal Cell Adenon pithelioma 0/50 (0%) 0/50 (0%) Mean 0.33%	0/50 (0%) 0/50 (0%) SD 0% na, 0/50 (0%) 1/50 (2%) SD 0.82%	Total	0/50 (0%) 2/300 (0.67%) 1/50 (2%) 1/50 (2%) 3/300 (1%)	0/50 (0%) Mean 0.67% 0/50 (0%) 0/50 (0%) Mean 1%	1/50 (2%) SD 1.03% 0/50 (0%) 1/50 (2%) SD 1.1%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Skin: Fibrosarcoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	2/50 (4%) 4/300 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.63%
#Skin: Fibrosarcoma, Sarcoma,								
norosarcoma, carcoma,	myx03arcona	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)		3/50 (6%) 2/50 (4%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	8/300 (2.67%)	Mean 2.67%	SD 2.07%
#Skin: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Granular Cell Tumor Ber		()				()		
	0	0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	i Olai	1/300 (0.33%)		JU 0.02%	i otai	0/300 (0%)		0% עכ
#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%) 1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Skin: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
∕Skin: Keratoacanthoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
N	Tatal	0/50 (0%)	0/50 (0%)	1/50 (2%)	T . (.)	1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin: Lipoma								
		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%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Liposarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Mast Cell Tumor Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
• ••• ••	T ()	0/50 (0%)	0/50 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Skin: Mast Cell Tumor 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
fSkin: Melanoma 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
≇Skin: Melanoma Malignant								
		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%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
≭Skin: Neural Crest Tumor								
		0/50 (0%		0/50 (0%)		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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Neurofibroma or Schwanno	ma 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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 34 Report Date: 11/11/2014					
			Male			Female			
#Skin:									
Neurofibrosarcoma or Schw	/annoma (n	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	
#Skin: Neurofibrosarcoma, Neurofi Overall Incidence	i broma, or s Total	Schwannoma (benign, ma 0/50 (0%) 0/50 (0%) 0/300 (0%)	alignant or NOS) 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0.33%	0/50 (0%) 1/50 (2%) SD 0.82%	
≮Skin: Osteosarcoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%	
≇Skin: Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		3/50 (6%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	1/50 (2%) SD 0.82%	Total	0/50 (0%) 4/300 (1.33%)	0/50 (0%) Mean 1.33%	0/50 (0%) SD 2.42%	
≭Skin: Schwannoma 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%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	0/50 (0%) SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	i			ogy Data Management ce for Selected Control Route: GAVAGE Vehicle: CORN OIL	-	-				
			Male				Female			
#Skin: 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%) 1/50 (2%)		
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%		
#Skin: Squamous Cell Carcinoma or Carcinoma	, Basal Cell (Carcinoma, Basosquamo 0/50 (0%)	ous Tumor (malignant 0/50 (0%)	or NOS), 0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%		
#Skin: Squamous Cell Papilloma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Papilloma (or Papilloma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Skin: Squamous Cell Papilloma,						·····				
equanious con raphona,	, apinonia, c	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%)		
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%		

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL										Page: 36 Report Date: 11/11/2014				
		Male								Female					
#Skin:															
Squamous Cell Papilloma, P	apilioma, c	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	0/50 1/50	(0%) (2%)		0/50 1/50	(0%) (2%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	
Overall Incidence	Total	1/300 (0.33%)		Mean 0.33%		SD 0.82%		Total	1/300 (0.33%)		Mean 0.33%		SD 0.82%		
#Spinal Cord: Hemangiosarcoma															
.		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total	0/50 0/300 (0%	(0%)	0/50 Mean	(0%) 0%	0/50 SD 0%	(0%)	Total	0/50	(0%)	0/50 Mor	(0%)	0/50 SD ((0%) 0%	
						עט עט		TUTAI	0/300 (0%)		Mean 0%		0 /0		
Spleen: Hemangiosarcoma															
J		0/50	(0%)	1/50	(2%)	2/50	(4%)		1/50	(2%)	0/50	(0%)	0/49	(0%)	
		3/48	(6%)	1/50	(2%)	1/50	(2%)		0/49	(0%)	0/50	(0%)	1/50	(2%)	
Overall Incidence	Total	8/298 (2.68%)		Mean 2.71%		SD 2.15%		Total	2/298 (0.67%)		Mean 0.67%		SD 1.	SD 1.03%	
*Spleen: Mast Cell Tumor Malignant															
-		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	1/49	(2%)	
Overall Incidence	Total	0/48 0/298 (0%	(0%)	0/50 Moon	(0%)	0/50 SD 0%	(0%)	Total	0/49	(0%)	0/50	(0%)	0/50	(0%)	
Jverall incidence		()		Mean 0%		JU U%		10tai	1/298 (0.34%)		Mean 0.34%		ט ע <u>כ</u>	SD 0.83%	
*Stomach, Forestomach: Squamous Cell Carcinoma															
		0/50	(0%)	1/50	(2%)	1/50	(2%)		0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overell In eiden ei	Tatal	0/50	(0%)	0/50	(0%)	0/50	(0%)	Tatal	0/50	(0%)	0/50	(0%)	0/50	(0%)	
Overall Incidence	Total				Mean 0.67% SD 1.03%			Total	0/300 (,		Mean 0% SD 0%			

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Management ace for Selected Control A Route: GAVAGE Vehicle: CORN OIL	-		Page: 37 Report Dat	:e: 11/11/2014
			Male				Female	
#Stomach, Forestomach:		0						
Squamous Cell Carcinoma	or Papillon	0/50 (0%) 1/50 (2%)	2/50 (4%) 2/50 (4%)	9/50 (18%) 5/50 (10%)		2/50 (4%) 1/50 (2%)	1/50 (2%) 0/50 (0%)	3/50 (6%) 0/50 (0%)
Overall Incidence	Total	19/300 (6.33%)	Mean 6.33%	SD 6.62%	Total	7/300 (2.33%)	Mean 2.33%	SD 2.34%
#Stomach, Forestomach: Squamous Cell Papilloma								
		0/50 (0%) 1/50 (2%)	1/50 (2%)	8/50 (16%)		2/50 (4%) 1/50 (2%)	1/50 (2%)	3/50 (6%) 0/50 (0%)
Overall Incidence	Total	17/300 (5.67%)	2/50 (4%) Mean 5.67%	5/50 (10%) SD 6.12%	Total	1/50 (2%) 7/300 (2.33%)	0/50 (0%) Mean 2.33%	0/50 (0%) SD 2.34%
#Stomach, Glandular: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
#Stomach, Glandular: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Stomach, Glandular: Carcinoma or Adenoma		·····				·····		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%

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

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			Male				Female	
*Testes: Adenoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	1/50 (2%) 0/50 (0%)				
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%				
Testes: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)				
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%				
Thymus: Neoplasm NOS								
		0/50 (0%)	0/49 (0%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/48 (0%) 0/282 (0%)	0/40 (0%) Mean 0%	0/47 (0%) SD 0%	Total	0/50 (0%) 0/297 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
Thymus: Thymoma Benign								
		0/50 (0%)	1/49 (2%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/48 (0%) 1/282 (0.35%)	0/40 (0%) Mean 0.34%	0/47 (0%) SD 0.83%	Total	0/50 (0%) 0/297 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
Thymus: Thymoma Malignant								
		0/50 (0%)	0/49 (0%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/48 (0%) 0/282 (0%)	0/40 (0%) Mean 0%	0/47 (0%) SD 0%	Total	0/50 (0%) 0/297 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
		()						

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
*Thymus: Thymoma: Benign, Maligna	ant, NOS							
		0/50 (0%)	1/49 (2%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/48 (0%)	0/40 (0%)	0/47 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence	Total	1/282 (0.35%)	Mean 0.34%	SD 0.83%	Total	0/297 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma								
		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%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
*Thyroid Gland: C-Cell: Carcinoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
*Thyroid Gland: Follicular Ce Adenoma	ell:							
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
Thyroid Gland: Follicular Cel Carcinoma or Adenoma	l:							
		0/49 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)		0/49 (0%) 0/50 (0%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
≭Tissue NOS: 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%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Tissue NOS: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma (
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T ()	0/50 (0%)	0/50 (0%)	0/50 (0%)	T ()	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Tongue: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

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

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			Male				Female	
#Tooth: Odontoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/50 (10%) 7/300 (2.33%)	0/50 (0%) Mean 2.33%	2/50 (4%) SD 4.08%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
/Urethra: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Urinary Bladder: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Uterus: Adenoma								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence					Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Uterus: Carcinoma								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/300 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL	Page: 42 Report Da	te: 11/11/2014	
	Male		Female	
#Uterus:				
Hemangioma		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Uterus:				
Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
ℓUterus: Leiomyoma				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus:				
Polyp Stromal				
		1/50 (2%)	0/50 (0%)	2/50 (4%)
Overall Incidence	T _4-1	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 1.67%
	Total	3/300 (1%)	Mean 1%	SD 1.67%
Uterus:				
Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Tun		logy Data Ma nce for Selecto Route: G Vehicle: C	ed Control A	System Animal Groups				Page: 43 Report Da	te: 11/11/20)14
					Male						F	emale		
#Uterus: Sarcoma Stromal														
									1/50	(2%)	0/50	(0%)	0/50	(0%)
								T ()	0/50	(0%)	0/50	(0%)	2/50	(4%)
Overall Incidence								Total	3/300 (1%)	Mear	1 1%	SD 1.	.67%
#Uterus: Sarcoma Stromal or Polyp	Stromal								2/50	(4%)	0/50	(0%)	2/50	(4%)
									0/50	(0%)	0/50	(0%)	2/50	(4%)
Overall Incidence								Total	6/300 (2%)	Mear	n 2%	SD 2.	.19%
≠Zymbal's Gland: Carcinoma														
		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%)
Overall Incidence	Total	2/300 (0.67	%)	Mean 0	.67%	SD 1.03%	6	Total	0/300 (0%)	Mear	n 0%	SD	0%
≠Zymbal's Gland: Carcinoma or Adenoma														
		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%)
Overall Incidence	Total	2/300 (0.67	%)	Mean 0	.67%	SD 1.03%	6	Total	0/300 (0%)	Mear	n 0%	SD	0%

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

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Columbus Laboratory	052020304	07/10/07	730	50(1)	33(694)	52.6	Green tea extract
					Female		
Battelle Columbus Laboratory	052020304	07/09/07	729	50(5)	34(665)	62.9	Green tea extract

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	1			blogy Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER			Page: 45 Report Dat	ə: 11/11/2014
			Male				Female	
#All Organs: Benign Tumors		43/50 (86%)				20/50 (40%)		
Overall Incidence	Total	43/50 (86%)	Mean 86%	SD 0%	Total	20/50 (40%)	Mean 40%	SD 0%
#All Organs: Malignant Tumors		28/50 (56%)				18/50 (36%)		
Overall Incidence	Total	28/50 (56%)	Mean 56%	SD 0%	Total	18/50 (36%)	Mean 36%	SD 0%
#All Organs: Malignant and Benign Tum		49/50 (98%)				29/50 (58%)		
Overall Incidence	Total	49/50 (98%)	Mean 98%	SD 0%	Total	29/50 (58%)	Mean 58%	SD 0%
#All Organs: Hemangioma		2/50 (4%)				0/50 (0%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Hemangiosarcoma		5/50 (10%)				2/50 (4%)		
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
#All Organs: Hemangiosarcoma or Hem		7/50 (14%)				2/50 (4%)		
Overall Incidence	Total	7/50 (14%)	Mean 14%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 46 Report Dat	e: 11/11/2014
			Male				Female	
#All Organs: Histiocytic Sarcoma		0/50 (00/)				0/50 /00/)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#All Organs: Malignant Lymphoma: Histi		phocytic, Mixed, NOS, or 4/50 (8%)		ell Type		7/50 (14%)		
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	7/50 (14%)	Mean 14%	SD 0%
#All Organs: Mesothelioma: Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
		0/30 (0%)				· · /		
Mesothelioma: Benign, Mal	ignant, NOS	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Osteoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Male Female #All Organs: Osteosarcoma 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) Mean 0% 0/50 (0%) Mean 0% Mean 0% SD 0% Total 0/50 (0%) Mean 0% Mean 0% SD 0% #All Organs: Osteosarcoma or Osteoma 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Mean 0% SD 0% Overall Incidence Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Mean 0% SD 0% *Adrenal Cortex: Adenoma 1/49 (2/%) 0/49 (0%) Mean 2.04% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Benign 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant 0/49 (0%) 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0%	Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 47 Report Dat	te: 11/11/2014
Osteosarcoma Overall Incidence Total 0/50 0(%) Mean 0% SD 0% Total 0/50 0(%) Mean 0% SD 0% #All Organs: Osteosarcoma or Osteoma 0/50 0(%) Mean 0% SD 0% Total 0/50 0%) Mean 0% SD 0% Overall Incidence Total 0/50 0(%) Mean 0% SD 0% Total 0/50 0%) Mean 0% SD 0% *Adrenal Cortex: Adenoma 1/49 (2%) Mean 2.04% SD 0% Total 0/49 0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Benign 0/49 (0%) Mean 0% SD 0% Total 0/49 0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant- 0/49 (0%) Mean 0% SD 0% Total 0/49 0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS <th></th> <th></th> <th></th> <th>Male</th> <th></th> <th></th> <th></th> <th>Female</th> <th></th>				Male				Female	
#All Organs: Osteosarcom or Osteoma 0/50 (0%) 0/50 (0%) 0/50 (0%) Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Adrenal Cortex: Adenoma 1/49 (2%) 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Benign 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant. 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0%			0/50 (0%)				0/50 (0%)		
#All Organs: Oxteosarcoma or Osteoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Adrenal Cortex: Adenoma 1/49 (2%) Mean 2.04% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Benign 1/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Benign, Complex, Malignant, NOS Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0%			()				()		
Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Adrenal Cortex: Adenoma 1/49 (2%) 0/49 (0%) 0/49 (0%) Mean 0% SD 0% Overall Incidence Total 1/49 (2.04%) Mean 2.04% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Benign 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0%	#All Organs:								
*Adrenal Cortex: Adenoma 1/49 (2%) 0/49 (0%) Mean 0% SD 0% Overall Incidence Total 1/49 (2.04%) Mean 2.04% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Benign 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant, 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: 0/49 (0%) Mean 0% SD 0% Total 0/49 0% Mean 0% SD 0% *Adrenal Medulla: 0/49 0% Mean 0% SD 0% Total 0/49 0% Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS							0/50 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Benign Overall Incidence Total O/49 (0%) Mean 0% SD 0% Total O/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma Malignant O/49 (0%) Overall Incidence Total O/49 (0%) Mean 0% SD 0%	*Adrenal Cortex:						0/49 (0%)		
*Adrenal Medulla: 0/49 0%) 0/49 0%) Overall Incidence Total 0/49 0%) Mean 0% SD 0% Total 0/49 0%) Mean 0% SD 0% *Adrenal Medulla: *Adrenal Medulla: 0/49 0%) Mean 0% SD 0% Total 0/49 0%) Mean 0% SD 0% Overall Incidence Total 0/49 0%) Mean 0% SD 0% Total 0/49 0%) Mean 0% SD 0% Overall Incidence Total 0/49 0%) Mean 0% SD 0% Total 0/49 0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS SD 0% Total 0/49 0%) Mean 0% SD 0%							0/49 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Malignant 0/49 (0%) Overall Incidence Total 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS	*Adrenal Medulla:						0/49 (0%)		
Pheochromocytoma Malignant 0/49 (0%) 0/49 (0%) Overall Incidence Total 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS	Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
Overall Incidence Total 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0% *Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS		ant	0/49 (0%)				0/49 (0%)		
*Adrenal Medulla: Pheochromocytoma: Benign, Complex, Malignant, NOS			0/49 (0%)				0/49 (0%)	Mean 0%	SD 0%
	*Adrenal Medulla:								
Overall Incidence Total 0/49 (0%) Mean 0% SD 0% Total 0/49 (0%) Mean 0% SD 0%	Overall Incidence	Total	· · · ·	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%

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			Male				Female	
#Blood Vessel: Hemangioma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Bone Marrow: Hemangioma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Bone Marrow: Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
Bone Marrow: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
'Bone Marrow: Sarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Fibroma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 49 Report Date: 11/11/2				
			Male				Female				
#Bone: Hemangiosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Bone: Osteoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Bone: Osteosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
Bone: Osteosarcoma or Osteoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
≇Bone: Sarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
'Brain: Granular Cell Tumor Benign		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	•		Page: 50 Report Dat	e: 11/11/2014
			Male				Female	
*Brain: Meningioma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Brain: Meningioma: Benign, Maligi		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma Maligna Overall Incidence	nt Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Brain: Oligodendroglioma, Glioma						0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Hemangioma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Hemangiosarcoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				blogy Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER			Page: 51 Report Date: 11				
			Male			Female					
#Coagulating Gland: Granular Cell Tumor		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Coagulating Gland: Sarcoma		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Eye: Melanoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
#Harderian Gland: Adenoma		7/50 (14%)				2/50 (4%)					
Overall Incidence	Total	7/50 (14%)	Mean 14%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%			
#Harderian Gland: Carcinoma		1/50 (2%)				2/50 (4%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%			
#Harderian Gland: Carcinoma or Adenoma		8/50 (16%)				4/50 (8%)					
Overall Incidence	Total	8/50 (16%)	Mean 16%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 52 Report Dat	e: 11/11/2014		
			Male	······································		Female				
*Heart: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Large: Cecum: Adenoma										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Large: Cecum: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Large: Cecum: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Large: Cecum: Leiomyosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Duodenum: Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER			Page: 53 Report Dat	e : 11/11/2014		
			Male				Female			
#Intestine Small: Duodenum: Carcinoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Ileum: Adenoma		0/50 (0%)				0/50 (00/)				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Ileum: Carcinoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Carcinoma						0/50 (09/)				
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Leiomyosarcoma		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		

/ersion: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER			Page: 54 Report Date: 11/11/2014 Female Mean 0% SD 0%				
			Male				Female				
#Intestine Small: Site Unspec Adenoma	fied:										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
#Intestine Small: Site Unspec Carcinoma	fied:										
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
#Intestine Small: Site Unspec Carcinoma or Adenoma		2/50 (4%)				0/50 (0%)					
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Intestine Small: Site Unspec Leiomyosarcoma	fied:	0/50 (0%)				1/50 (2%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%			
*Islets, Pancreatic: Adenoma						4/50 (00/)					
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%			
*Islets, Pancreatic: Carcinoma		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	ol Animal Groups		Page: 55 Report Dat	: 11/11/2014	
			Male				Female		
*Islets, Pancreatic: Carcinoma or Adenoma		2/50 (4%)				1/50 (2%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
*Kidney: Pelvis and Transition Carcinoma		m: 0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Pelvis and Transition Carcinoma or Adenoma Overall Incidence			Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Adenoma		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Carcinoma		2/50 (4%)				0/50 (0%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Carcinoma or Adenoma		3/50 (6%)				0/50 (0%)			
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 56 Report Dat	e: 11/11/2014	
			Male	Vehicle: WATER SD 0% Total 0/50 (0%) SD 0% Total 1/50 (2%)			Female		
*Kidney: Renal Tubule: Hemangioma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Moon 0%	SD 0%	
	10181	0/30 (0%)		30 0%	TOLAI	0/50 (0%)	Mean 0%	JU 0%	
*Kidney: Renal Tubule: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Mean 0%	SD 0%	
*Liver: Hemangioma Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%			0/50 (0%)	Mean 0%	SD 0%	
*Liver:	10(a)	2/30 (476)		30 0%	TOLAI	0/30 (076)			
Hemangiosarcoma Overall Incidence	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	Total	()	Mean 2%	SD 0%	
'Liver: Hepatoblastoma		2/50 (4%)				0/50 (0%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	. ,	Mean 0%	SD 0%	
*Liver: Hepatocellular Adenoma		35/50 (70%)				12/50 (24%)			
Overall Incidence	Total	35/50 (70%)	Mean 70%	SD 0%	Total	12/50 (24%)	Mean 24%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				nce for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 57 Report Date: 11/11/2014 Female Mean 10% SD 0%				
			Male			Female 5/50 (10%) Total 5/50 (10%) Mean 10% SD 0% 5/50 (10%) Mean 10% SD 0% Total 5/50 (10%) Mean 10% SD 0% Total 5/50 (10%) Mean 10% SD 0% 14/50 (28%) Mean 28% SD 0% 14/50 (28%) Mean 28% SD 0%					
*Liver: Hepatocellular Carcinoma Overall Incidence	Total	15/50 (30%) 15/50 (30%)	Mean 30%	SD 0%	Total	· · ·	Mean 10%	SD 0%			
*Liver: Hepatocellular Carcinoma o		astoma									
Overall Incidence	Total	17/50 (34%) 17/50 (34%)	Mean 34%	SD 0%		()	Mean 10%	SD 0%			
*Liver: Hepatocellular Carcinoma o Overall Incidence	r Hepatoce l Total	Ilular Adenoma 40/50 (80%) 40/50 (80%)	Mean 80%	SD 0%	Total	14/50 (28%)		SD 0%			
*Liver: Hepatocellular Carcinoma, H											
Overall Incidence	Total	40/50 (80%)	Mean 80%	SD 0%		14/50 (28%)	Mean 28%	SD 0%			
*Liver: Hepatocholangiocarcinoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Liver: Ito Cell Tumor Benign		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratori Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ince for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 58 Report Date: 11/11/2014 Female Mean 0% SD 0% Mean 0% SD 0%				
			Male		d Control Animal Groups Report Date: 11/11, VAGE VAGE Female 0/50 (0%) Total 0/50 (0%) Mean 0% SI 1/50 (10%) Mean 10% SI 1/50 (2%) Mean 2% SI 6/50 (12%) Mean 2% SI						
*Liver: Mast Cell Tumor Maligna	int	0/50 (0%)			0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		()	Mean 0%	SD 0%			
*Liver: Sarcoma		0/50 (0%)				0/50 (0%/)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		()	Mean 0%	SD 0%			
*Lung: Alveolar/Bronchiolar Ad		12/50 (24%)				5/50 (10%)					
Overall Incidence	Total	12/50 (24%)	Mean 24%	SD 0%		()	Mean 10%	SD 0%			
^t Lung: Alveolar/Bronchiolar Car						1/50 (29/)					
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	()	Mean 2%	SD 0%			
*Lung: Alveolar/Bronchiolar Ca		eolar/Bronchiolar Adenor 14/50 (28%)				6/50 (12%)					
Overall Incidence	Total	14/50 (28%)	Mean 28%	SD 0%		6/50 (12%)		SD 0%			
*Lung: Hemangiosarcoma											
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme Ince for Selected Contr Route: GAVAGE Vehicle: WATER	ol Animal Groups		Page: 59 Report Date: 11/11/2014 Female Mean 0% SD 0%					
			Male		Female 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% SD 0%							
#Lymph Node, Mandibular: Mast Cell Tumor Malignant		0/50 (0%)				· · /						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		()	Mean 0%	SD 0%				
#Lymph Node, Mediastinal: Mast Cell Tumor Malignant		0/50 (0%)				0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		. ,						
#Lymph Node, Mesenteric: Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		0/50 (0%)						
#Mammary Gland: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		()	Mean 0%	SD 0%				
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
#Mammary Gland: Fibroma, Fibroadenoma, C						0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				blogy Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 60 Report Date	: 11/11/2014	
			Male		ontrol Animal Groups GE TER 0/50 (0%) Total 0/50 (0%) 0/50 (0%) Total 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/48 (2%) Total 1/48 (2.08%)		Female		
#Mesentery: Hemangioma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Mesentery: Hemangiosarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%	
#Mesentery: Lipoma		0/50 (0%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
Mesentery: Sarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
Nose: Adenoma		0/50 (0%)				1/48 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		1/48 (2.08%)	Mean 2.08%	SD 0%	
Nose: Hemangiosarcoma									
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laborato Species: MICE Strain: B6C3F1 Length of Study: CHRON				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER		Page: 61 Report Date: 11/11/2014			
			Male		Female				
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Papilloma Squamous or Papilloma									
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Oral Cavity (Oral Mucos Squamous Cell Carcino	a, Tongue, Phary					- ()			
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Oral Cavity (Oral Mucos Squamous Cell Carcino Overall Incidence	a, Tongue, Phary		Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Oral Mucosa: Squamous Cell Carcino	oma	0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Choriocarcinoma						0/50 (0%)			
Overall Incidence					Total	0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Cystadenocarcinoma						1/50 (2%)			
Overall Incidence *: Denominator is number of ar #: Denominator is number of ar		xamined microscopically			Total	1/50 (2%)	Mean 2%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER	5	Page: 62 Report Date: 11/11/2014 Female			
	Male					
*Ovary:						
Cystadenoma		3/50 (6%)				
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%		
*Ovary: Granulosa Cell Tumor Benign						
Grandiosa Cell Tullior Belligh		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		
*Ovary:						
Granulosa Cell Tumor: Benign, Malignant, NOS		0/50 (00/)				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary:						
Hemangioma						
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary:						
Hemangiosarcoma						
		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		
*Ovary:						
Luteoma						
		0/50 (0%)	•• •••	05.00/		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		
*: Denominator is number of animals with tissues examined microscopica	ally					

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: WATER					Page: 63 Report Date: 11/11/2014		
			Male			Female				
*Ovary: Sarcoma										
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		
*Ovary: Tubulostromal Adenoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Yolk Sac Carcinoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Pancreas: Carcinoma						0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Pancreas: Carcinoma or Adenoma		0/50 (00/)				0/50 (00()				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Pituitary Gland: Pars Distalis Adenoma		ified Site:								
Overall Incidence	Total	1/49 (2%) 1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxico Tumor Incide		Page: 64 Report Date: 11/11/2014						
			Male			Female					
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma											
		1/49 (2%)				0/50 (0%)					
Overall Incidence	Total	1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Pituitary Gland: Pars Interme Adenoma	edia:										
		0/49 (0%)				0/50 (0%)					
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Pituitary Gland: Pars Interme Carcinoma or Adenoma											
• ••• ••	-	0/49 (0%)		05		0/50 (0%)	••	05.000			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Adenoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Carcinoma or Adenoma											
O	Tatal	0/50 (0%)	Magaz 00/	00.00/	T . (.)	0/50 (0%)	Maran 00/	00.000			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Hemangiosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 65 Report Date: 11/11/2014					
			Male			Female			
*Salivary Glands: Myxoma		0/50 (0%)		0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Rhabdomyosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	
#Skeletal Muscle: Rhabdomyosarcoma or Rha	•	0/50 (0%)				2/50 (4%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	
#Skeletal Muscle: Sarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Basal Cell Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Contract/Lab: All Laborator	ries			blogy Data Manageme ence for Selected Contr	-		Page: 66 Report Date: 11/11/2014		
Species: MICE				Route: GAVAGE	·		•		
Strain: B6C3F1				Vehicle: WATER					
ength of Study: CHRON	С								
			Male				Female		
∜Skin: Basal Cell Carcinoma o	r Pacasquamaus	Tumor (molignant or N	05)						
Basal Cell Carcillonia U	r basosquamous	0/50 (0%)	03)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
\$kin:									
Basal Cell Carcinoma, E NOS), or Trichoepithelic		ma, Basosquamous Tur	nor (benign, maligna	ant or					
		0/50 (0%)				0/50 (0%)			
	T - 1 - 1	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
Overall Incidence	Total	. ,				. ,			
∜Skin: Basal or Sq. Cell Carcin	oma, Carcinoma	, Basosq. Tumor (M or E	3), Basal Cell Adeno			. ,			
Skin:	oma, Carcinoma	, Basosq. Tumor (M or E	3), Basal Cell Adeno			. ,			
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, Se	ooma, Carcinoma q Papilloma, Kera Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep	3), Basal Cell Adeno ithelioma Mean 0%	ma, SD 0%	Total		Mean 0%	SD 0%	
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, S Overall Incidence Skin:	ooma, Carcinoma q Papilloma, Kera Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0%	ma, SD 0%		0/50 (0%)			
∜Skin: Basal or Sq. Cell Carcin	ooma, Carcinoma q Papilloma, Kera Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi	3), Basal Cell Adeno ithelioma Mean 0%	ma, SD 0%		0/50 (0%) 0/50 (0%)			
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma	ooma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0% ibrous Histiocytoma Mean 0%	ma, SD 0%		0/50 (0%)			
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma Overall Incidence Skin:	ooma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0% ibrous Histiocytoma Mean 0%	ma, SD 0%	Total	0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma Overall Incidence	ooma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0% ibrous Histiocytoma Mean 0%	ma, SD 0%	Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma Overall Incidence Skin: Fibrosarcoma	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0% ibrous Histiocytoma Mean 0%	ma, SD 0%	Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0% SD 0%	
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma Overall Incidence Skin: Fibrosarcoma Overall Incidence	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0% brous Histiocytoma Mean 0%	ma, SD 0% SD 0% SD 0%	Total Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0% Mean 0%	SD 0%	
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, Se Overall Incidence #Skin: Fibroma, Fibrosarcoma Overall Incidence #Skin: Fibrosarcoma Overall Incidence	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0% ibrous Histiocytoma Mean 0%	ma, SD 0% SD 0% SD 0%	Total Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0% Mean 0%	SD 0% SD 0% SD 0%	
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma Overall Incidence Skin: Fibrosarcoma	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0% ibrous Histiocytoma Mean 0%	ma, SD 0% SD 0% SD 0%	Total Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0% Mean 0%	SD 0% SD 0% SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 67 Report Date: 11/11/2014					
			Male			Female			
#Skin: Fibrous Histiocytoma		0/50 (0%)			T / 1	0/50 (0%)	M - 60/	25.02	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Granular Cell Tumor Benigr	I	0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Hemangioma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skin: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skin: Keratoacanthoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Lipoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 68 Report Date: 11/11/2014						
			Male	······································		Female			
#Skin: Liposarcoma Overall Incidence	Total	0/50 (0%)	Maan 00/	SD 0%	Total	0/50 (0%)	Maga 00/	SD 0%	
	TOLAI	0/50 (0%)	Mean 0%	50 0%	10tai	0/50 (0%)	Mean 0%	50 0%	
#Skin: Mast Cell Tumor Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skin: Melanoma Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skin: Melanoma Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Neural Crest Tumor		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Contract/Lab: All Laboratori Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 69 Report Date: 11/11/2014				
			Male		Female			
#Skin: Neurofibroma or Schwar	_	0/50 (0%)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or So	chwannoma (ma	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
		· · · · · · · · · · · · · · · · · · ·						
≴Skin: Neurofibrosarcoma, Neu Dverall Incidence	irofibroma, or S Total	chwannoma (benign, ma 0/50 (0%) 0/50 (0%)	lignant or NOS) Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Neu Overall Incidence #Skin: Osteosarcoma	Irofibroma, or S Total	chwannoma (benign, ma 0/50 (0%) 0/50 (0%) 0/50 (0%)	lignant or NOS) Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)		
#Skin: Neurofibrosarcoma, Neu Overall Incidence #Skin:	Irofibroma, or S Total Total	chwannoma (benign, ma 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	lignant or NOS) Mean 0% Mean 0%	SD 0% SD 0%	Total	0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0% SD 0%
#Skin: Neurofibrosarcoma, Neu Overall Incidence #Skin: Osteosarcoma Overall Incidence #Skin: Sarcoma Overall Incidence	rrofibroma, or S Total Total Total	chwannoma (benign, ma 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	lignant or NOS) Mean 0% Mean 0% Mean 0%	SD 0% SD 0% SD 0%	Total Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Neu Overall Incidence #Skin: Osteosarcoma Overall Incidence #Skin:	rrofibroma, or S Total Total Total	chwannoma (benign, ma 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	lignant or NOS) Mean 0% Mean 0% Mean 0%	SD 0% SD 0% SD 0%	Total Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxic Tumor Incide		Page: 70 Report Date: 11/11/2014					
			Male				Female			
#Skin: Schwannoma Malignant		0/50 (0%)		0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Carcinoma, or Carcinoma	Basal Cell (Carcinoma, Basosquamo 0/50 (0%)	us Tumor (malignar	nt or NOS),		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Papilloma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Papilloma o						0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Papilloma, F	Papilloma, S	Squamous Cell Carcinoma 0/50 (0%)	a or Keratoacantho	ma		0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Papilloma, F						0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*: Denominator is number of animals #: Denominator is number of animals		examined microscopically								

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxico Tumor Incide		Page: 71 Report Date: 11/11/2014				
			Male			Female			
#Spinal Cord: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Spleen: Hemangiosarcoma		2/52 (494)				Q/FQ (00/)			
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Spleen: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Stomach, Forestomach: Squamous Cell Carcinoma o						2/50 (4%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 72 Report Date: 11/11/2014					
			Male			Female			
#Stomach, Glandular: Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Stomach, Glandular: Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Stomach, Glandular: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Testes: Adenoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%					
*Testes: Hemangioma		0/50 (0%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%					
*Thymus: Neoplasm NOS		0/44 (0%)				0/47 (0%)			
Overall Incidence	Total	0/44 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 73 Report Dat	e: 11/11/2014					
			Male			Female			
*Thymus: Thymoma Benign Overall Incidence	Total	0/44 (0%) 0/44 (0%)	Mean 0%	SD 0%	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%	
*Thymus: Thymoma Malignant		0/44 (0%)				0/47 (0%)			
Overall Incidence	Total	0/44 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%	
*Thymus: Thymoma: Benign, Malignar Overall Incidence	nt, NOS Total	0/44 (0%) 0/44 (0%)	Mean 0%	SD 0%	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Adenoma		0/50 (0%)				0/50 (0%)		05.00	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC					Page: 74 Report Date: 11/11/2014				
				Male				Female	
*Thyroid Gland: Follicular Cell Adenoma		1/50	(2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)		Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: Follicular Cell Carcinoma or Adenoma			(2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)		Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Tissue NOS: Fibrosarcoma Overall Incidence	Total		(0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
fTissue NOS: Hemangiosarcoma Overall Incidence	Total		(0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma o		a Squamous	(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	· · ·	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
≭Tongue: Squamous Cell Papilloma			(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 75 Report Date: 11/11/2014					
			Male			Female			
#Tooth: Odontoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Urethra:									
Hemangiosarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Urinary Bladder: Hemangiosarcoma						0/50 (0%)			
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Adenoma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Carcinoma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Hemangioma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1	Route: GAVAGE	Tumor Incidence for Selected Control Animal Groups					
Length of Study: CHRONIC	Venicie. WATER						
	Male	Male					
#Uterus:							
Hemangiosarcoma			0/50 (00/)				
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Uterus:							
Leiomyoma			0/50 (00/)				
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Uterus:							
Polyp Stromal			2/50 (4%)				
Overall Incidence		Total	2/50 (4%)	Mean 4%	SD 0%		
#Uterus:							
Sarcoma			0/50 (0%)				
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%		
#Uterus:							
Sarcoma Stromal			0/50 (0%)				
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%		
#Uterus:							
Sarcoma Stromal or Polyp Stromal			- / /				
Overall Insidence		Tatal	2/50 (4%)	Maga, 40/			
Overall Incidence		Total	2/50 (4%)	Mean 4%	SD 0%		

Version: Nov2014 Contract/Lab: All Laboratorie Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 77 Report Date: 11/11/2014					
			Male			Female			
#Zymbal's Gland: Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Zymbal's Gland: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Northwest	056031106	05/15/06	729	50(5)	39(715)	54.3	Cobalt
Battelle Northwest	052051504	05/05/08	729	50(5)	39(709)	52.6	Metal working fluids (CIMSTAR 3800)
Battelle Northwest	052030306	06/20/05	729	50(5)	29(680)	53.1	Vinylidene chloride
					Female		
Battelle Northwest	056031106	05/15/06	731	50(5)	36(686)	66.7	Cobalt
Battelle Northwest	052051504	05/05/08	731	50(5)	39(696)	59.2	Metal working fluids (CIMSTAR 3800)
Battelle Northwest	052030306	06/20/05	731	50(5)	36(687)	66.0	Vinylidene chloride

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Benign Tumors		35/50 (70%)	39/50 (78%)	43/50 (86%)		29/50 (58%)	26/50 (52%)	32/50 (64%)
Overall Incidence	Total	117/150 (78%)	Mean 78%	SD 8%	Total	87/150 (58%)	Mean 58%	SD 6%
#All Organs: Malignant Tumors		36/50 (72%)	26/50 (52%)	37/50 (74%)		31/50 (62%)	30/50 (60%)	33/50 (66%)
Overall Incidence	Total	99/150 (66%)	Mean 66%	SD 12.17%	Total	94/150 (62.67%)	Mean 62.67%	SD 3.06%
#All Organs: Malignant and Benign Tu	umors	45/50 (90%)	46/50 (92%)	49/50 (98%)		40/50 (80%)	41/50 (82%)	45/50 (90%)
Overall Incidence	Total	140/150 (93.33%)	Mean 93.33%	49/50 (98%) SD 4.16%	Total	40/50 (80%) 126/150 (84%)	41/50 (82%) Mean 84%	45/50 (90%) SD 5.29%
#All Organs: Hemangioma								
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#All Organs: Hemangiosarcoma								
	Total	7/50 (14%)	1/50 (2%)	2/50 (4%)	Totol	3/50 (6%)	3/50 (6%) Mean 6.67%	4/50 (8%) SD 1.15%
Overall Incidence	Total	10/150 (6.67%)	Mean 6.67%	SD 6.43%	Total	10/150 (6.67%)	iviean 6.67%	SU 1.15%
#All Organs: Hemangiosarcoma or He	emangioma			0/50 /00()		0/50 /00/)		
Overall Incidence	Total	7/50 (14%) 12/150 (8%)	2/50 (4%) Mean 8%	3/50 (6%) SD 5.29%	Total	3/50 (6%) 10/150 (6.67%)	3/50 (6%) Mean 6.67%	4/50 (8%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Management ce for Selected Control A Route: INHALATION Vehicle: AIR	Page: 80 Report Date: 11/11/2014			
			Male				Female	
#All Organs: Histiocytic Sarcoma		1/50 (2%)	1/50 (2%)	2/50 (4%)		1/50 (2%)	2/50 (4%)	2/50 (4%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%
#All Organs: Malignant Lymphoma: Hist	iocytic, Lym	nphocytic, Mixed, NOS, or 4/50 (8%)		Type 2/50 (4%)		14/50 (28%)	18/50 (36%)	14/50 (28%)
Overall Incidence	Total	9/150 (6%)	Mean 6%	SD 2%	Total	46/150 (30.67%)	Mean 30.67%	SD 4.62%
#All Organs: Mesothelioma: Benign Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		0/150 (0%)		SD 0%	i otai	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Benign, Ma	lignant, NOS	6 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Osteoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#All Organs: Osteosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma or Osteon								- ()
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Adrenal Cortex: Adenoma								
Overall Incidence	Total	1/50 (2%) 11/149 (7.38%)	9/49 (18%) Mean 7.46%	1/50 (2%) SD 9.45%	Total	0/50 (0%) 1/149 (0.67%)	0/49 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Adrenal Medulla: Pheochromocytoma Ben	ign							
Overall Incidence	Total	0/50 (0%) 2/148 (1.35%)	1/48 (2%) Mean 1.36%	1/50 (2%) SD 1.18%	Total	1/50 (2%) 3/149 (2.01%)	1/49 (2%) Mean 2.01%	1/50 (2%) SD 0.02%
Adrenal Medulla: Pheochromocytoma Mali								
Overall Incidence	Total	0/50 (0%) 1/148 (0.68%)	0/48 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 1/149 (0.67%)	0/49 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Adrenal Medulla: Pheochromocytoma: Ber	nign, Complex							
Overall Incidence	Total	0/50 (0%) 3/148 (2.03%)	1/48 (2%) Mean 2.03%	2/50 (4%) SD 2%	Total	1/50 (2%) 4/149 (2.68%)	1/49 (2%) Mean 2.68%	2/50 (4%) SD 1.14%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male					Female	
#Blood Vessel: Hemangioma		0/50 (0%)	0/50 (0%)	0/50	(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	. ,	Total	0/150 (0%)	Mean 0%	SD 0%
*Bone Marrow: Hemangioma				- /					
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Bone Marrow: Hemangiosarcoma									
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 SD 1.15%	(2%) 5	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Bone Marrow: Mast Cell Tumor Malignant		0/50 (0%)	0/50 (0%)	0/50	(0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	(070)	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Bone Marrow: Sarcoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
#Bone: Fibroma				- /					- (
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Bone: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
≇Bone: Osteoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Bone: Osteosarcoma or Osteoma Iverall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Bone: Sarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Brain: Granular Cell Tumor Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
*Brain: Meningioma Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (09/)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Brain: Meningioma: Benign, Ma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Brain: Oligodendroglioma Mali	gnant	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma, Glic								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Clitoral/Preputial Gland: Hemangioma								
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/43 (0%) 0/132 (0%)	0/44 (0%) Mean 0%	0/45 (0%) SD 0%
Clitoral/Preputial Gland: Hemangiosarcoma								
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/43 (0%) 0/132 (0%)	0/44 (0%) Mean 0%	0/45 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Coagulating Gland: Granular Cell Tumor		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Coagulating Gland: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Eye: Melanoma Malignant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Harderian Gland: Adenoma								
Overall Incidence	Total	6/50 (12%) 20/150 (13.33%)	7/50 (14%) Mean 13.33%	7/50 (14%) SD 1.15%	Total	3/50 (6%) 6/150 (4%)	2/50 (4%) Mean 4%	1/50 (2%) SD 2%
#Harderian Gland: Carcinoma								
Overall Incidence	Total	2/50 (4%) 7/150 (4.67%)	5/50 (10%) Mean 4.67%	0/50 (0%) SD 5.03%	Total	0/50 (0%) 3/150 (2%)	0/50 (0%) Mean 2%	3/50 (6%) SD 3.46%
#Harderian Gland: Carcinoma or Adenoma								
Overall Incidence	Total	8/50 (16%) 27/150 (18%)	12/50 (24%) Mean 18%	7/50 (14%) SD 5.29%	Total	3/50 (6%) 9/150 (6%)	2/50 (4%) Mean 6%	4/50 (8%) SD 2%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
*Heart: Hemangiosarcoma		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Large: Cecum: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Large: Cecum: Carcinoma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Intestine Large: Cecum: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	1/50 (2%) SD 1.15%
Intestine Large: Cecum: Leiomyosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Duodenum: Adenoma								
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Intestine Small: Duodenum Carcinoma	:	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Adenoma		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
fIntestine Small: Ileum: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
Intestine Small: Jejunum: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Jejunum: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
fIntestine Small: Jejunum: Leiomyosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014
Contract/Lab: All Laboratories
Species: MICE
Strain: B6C3F1
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Intestine Small: Site Uns Adenoma	specified:							
Overall Incidence	Total	2/50 (4%) 4/150 (2.67%)	1/50 (2%) Mean 2.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%
						()		
#Intestine Small: Site Uns Carcinoma	specified:							
• • • • • •	-	0/50 (0%)	0/50 (0%)	0/50 (0%)	T	1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
#Intestine Small: Site Uns Carcinoma or Adenoma	•							
		2/50 (4%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%
#Intestine Small: Site Uns Leiomyosarcoma								
• ••• ••		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Adenoma								
		0/49 (0%)	2/50 (4%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	4/149 (2.68%)	Mean 2.67%	SD 2.31%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
*Islets, Pancreatic: Carcinoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Management ice for Selected Control A Route: INHALATION Vehicle: AIR	•		Page: 89 Report Da	te: 11/11/2014
			Male				Female	
*Islets, Pancreatic: Carcinoma or Adenoma Overall Incidence	Total	0/49 (0%) 4/149 (2.68%)	2/50 (4%) Mean 2.67%	2/50 (4%) SD 2.31%	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%
*Kidney: Pelvis and Transitior		um:						
Carcinoma Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
*Kidney: Pelvis and Transitior Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
*Kidney: Renal Tubule: Adenoma		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Kidney: Renal Tubule: Carcinoma						0/50 (0%)	0/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
*Kidney: Renal Tubule: Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
[•] Kidney: Renal Tubule: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
′Liver: Hemangioma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Hemangiosarcoma		4/50 (0%)	0/50 (0)()	2/50 (49/)		0/50 (40/)	0/50 (0%)	4/50 (00/.)
Overall Incidence	Total	4/50 (8%) 6/150 (4%)	0/50 (0%) Mean 4%	2/50 (4%) SD 4%	Total	2/50 (4%) 3/150 (2%)	0/50 (0%) Mean 2%	1/50 (2%) SD 2%
Liver: Hepatoblastoma								
Overall Incidence	Total	2/50 (4%) 3/150 (2%)	0/50 (0%) Mean 2%	1/50 (2%) SD 2%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
Liver: Hepatocellular Adenoma								
Overall Incidence	Total	28/50 (56%) 89/150 (59.33%)	24/50 (48%) Mean 59.33%	37/50 (74%) SD 13.32%	Total	19/50 (38%) 58/150 (38.67%)	14/50 (28%) Mean 38.67%	25/50 (50%) SD 11.02%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
Liver: Hepatocellular Carcinom	a							
		25/50 (50%)	11/50 (22%)	26/50 (52%)		10/50 (20%)	10/50 (20%)	8/50 (16%)
Overall Incidence	Total	62/150 (41.33%)	Mean 41.33%	SD 16.77%	Total	28/150 (18.67%)	Mean 18.67%	SD 2.31%
Liver: Hepatocellular Carcinom								
		27/50 (54%)	11/50 (22%)	27/50 (54%)		10/50 (20%)	10/50 (20%)	8/50 (16%)
Overall Incidence	Total	65/150 (43.33%)	Mean 43.33%	SD 18.48%	Total	28/150 (18.67%)	Mean 18.67%	SD 2.31%
Liver: Hepatocellular Carcinom Overall Incidence	Total	38/50 (76%) 114/150 (76%)	32/50 (64%) Mean 76%	44/50 (88%) SD 12%	Total	25/50 (50%) 73/150 (48.67%)	20/50 (40%) Mean 48.67%	28/50 (56%) SD 8.08%
Liver: Hepatocellular Carcinom		ular Adenoma, or Hepato	blastoma					
Overall Incidence	Total	39/50 (78%) 116/150 (77.33%)	32/50 (64%) Mean 77.33%	45/50 (90%) SD 13.01%	Total	25/50 (50%) 73/150 (48.67%)	20/50 (40%) Mean 48.67%	28/50 (56%) SD 8.08%
Liver: Hepatocholangiocarcino	ma							
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
/Liver: Ito Cell Tumor Benign								
Liver:	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
^t Liver: Mast Cell Tumor Maligna	ant							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Liver: Sarcoma		0/50 (0%)				0/50 (00/)	0/50 (09/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Lung: Alveolar/Bronchiolar Ad	enoma							
Overall Incidence	Total	7/50 (14%) 19/150 (12.67%)	5/50 (10%) Mean 12.67%	7/50 (14%) SD 2.31%	Total	3/49 (6%) 7/149 (4.7%)	1/50 (2%) Mean 4.71%	3/50 (6%) SD 2.35%
		19/150 (12.07%)				()		3D 2.33%
Lung: Alveolar/Bronchiolar Ca	rcinoma							
Overall Incidence	Total	11/50 (22%) 28/150 (18.67%)	8/50 (16%) Mean 18.67%	9/50 (18%) SD 3.06%	Total	5/49 (10%) 10/149 (6.71%)	4/50 (8%) Mean 6.73%	1/50 (2%) SD 4.25%
		20/130 (10.07 /0)				10/149 (0.7178)		
Lung: Alveolar/Bronchiolar Ca	rcinoma or Alv	veolar/Bronchiolar Adeno	ma					
		16/50 (32%)	13/50 (26%)	13/50 (26%)		8/49 (16%)	4/50 (8%)	4/50 (8%)
Overall Incidence	Total	42/150 (28%)	Mean 28%	SD 3.46%	Total	16/149 (10.74%)	Mean 10.78%	SD 4.81%
Lung: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/149 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

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Vehicle: AIR

			Male					Female	
#Lymph Node, Mandibular: Mast Cell Tumor Malignant		0/50 (0%)	0/50 (0%)	0/50	(0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	、	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Lymph Node, Mediastinal: Mast Cell Tumor Malignant		0/50 (0%)	0/50 (0%)	0/50	(0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	~ /	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Lymph Node, Mesenteric: Hemangiosarcoma		0/50 (001)		0/50			0/50 (00%)	0/50 (00/.)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Mammary Gland: Carcinoma		0/50 (0%)	0/50 (0)()	0/50	(00()		4/50 (00()	0/50 (40/)	4/50 (20/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	1/50 (2%) 4/150 (2.67%)	2/50 (4%) Mean 2.67%	1/50 (2%) SD 1.15%
#Mammary Gland: Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	1/50 (2%) 4/150 (2.67%)	2/50 (4%) Mean 2.67%	1/50 (2%) SD 1.15%
#Mammary Gland: Fibroma, Fibroadenoma, Car	rcinoma, or	Adenoma 0/50 (0%)	0/50 (0%)	0/50	(0%)		1/50 (2%)	2/50 (4%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	(370)	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
fMesentery: Hemangioma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Mesentery: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Mesentery: Lipoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Mesentery: Sarcoma		- / />		- ()		()	- / / /	- / />
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
lose: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Nose: Hemangiosarcoma								- ()
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male				Female	
Oral Cavity (Oral Mucos Papilloma Squamous o		ynx, Tooth, Gingiva):						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Phary							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
#Oral Mucosa:	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
		0/150 (0%) 	Mean 0% 	SD 0% 	Total	0/150 (0%) 0/50 (0%)	Mean 0%	SD 0%
Oral Mucosa: Squamous Cell Carcin		·····			Total	·····		
Overall Incidence #Oral Mucosa: Squamous Cell Carcin Overall Incidence *Ovary: Choriocarcinoma	noma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
¢Oral Mucosa: Squamous Cell Carcin Overall Incidence Ovary: Choriocarcinoma	noma	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%) 0/150 (0%) 0/48 (0%)	0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%)
#Oral Mucosa: Squamous Cell Carcin Overall Incidence "Ovary: Choriocarcinoma	noma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Oral Mucosa: Squamous Cell Carcin Overall Incidence *Ovary:	noma	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%) 0/150 (0%) 0/48 (0%) 0/148 (0%)	0/50 (0%) Mean 0% 0/50 (0%) Mean 0%	0/50 (0%) SD 0% 0/50 (0%) SD 0%
#Oral Mucosa: Squamous Cell Carcin Overall Incidence *Ovary: Choriocarcinoma Overall Incidence *Ovary:	noma	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%) 0/150 (0%) 0/48 (0%)	0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION		Page: 96 Report Date: 11/11/2014				
Strain: B6C3F1	Vehicle: AIR						
Length of Study: CHRONIC							
	Male		Female				
*Ovary:							
Cystadenoma		1/48 (2%)	2/50 (4%)	1/50 (2%)			
Overall Incidence	Total	4/148 (2.7%)	Mean 2.69%	SD 1.13%			
'Ovary:							
Granulosa Cell Tumor Benign							
-		0/48 (0%)	1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	1/148 (0.68%)	Mean 0.67%	SD 1.15%			
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS							
		0/48 (0%)	1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	1/148 (0.68%)	Mean 0.67%	SD 1.15%			
*Ovary: Hemangioma							
Overall Incidence	Total	0/48 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
	Total	0/148 (0%)	wean 0%	5D 0%			
*Ovary:							
Hemangiosarcoma		0/48 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%			
*Ovary:							
Luteoma							
		0/48 (0%)	1/50 (2%)	1/50 (2%)			
Overall Incidence	Total	2/148 (1.35%)	Mean 1.33%	SD 1.15%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	i			ogy Data Management ce for Selected Control Route: INHALATION Vehicle: AIR	Page: 97 Report Da	te: 11/11/2014		
			Male				Female	
*Ovary: Sarcoma								
Overall Incidence					Total	0/48 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Ovary: Tubulostromal Adenoma								
Overall Incidence					Total	0/48 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Ovary: Yolk Sac Carcinoma								
Overall Incidence					Total	1/48 (2%) 1/148 (0.68%)	0/50 (0%) Mean 0.69%	0/50 (0%) SD 1.2%
*Pancreas: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
*Pancreas: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
*Pituitary Gland: Pars Distali Adenoma								
Overall Incidence	Total	0/47 (0%) 0/146 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	3/47 (6%) 16/147 (10.88%)	5/50 (10%) Mean 10.79%	8/50 (16%) SD 4.86%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR				Page: 98 Report Date: 11/11/2014				
			Male				Female			
*Pituitary Gland: Pars Distalis Carcinoma or Adenoma	s or Unspec	ified Site: 0/47 (0%)	0/50 (0%)	0/49 (0%)		3/47 (6%)	5/50 (10%)	8/50 (16%)		
Overall Incidence	Total	0/146 (0%)	Mean 0%	SD 0%	Total	16/147 (10.88%)	Mean 10.79%	SD 4.86%		
*Pituitary Gland: Pars Interme Adenoma				4/40 (004)			0/50 (00/.)	0/50 (00/)		
Overall Incidence	Total	0/47 (0%) 1/146 (0.68%)	0/50 (0%) Mean 0.68%	1/49 (2%) SD 1.18%	Total	0/47 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
*Pituitary Gland: Pars Interme Carcinoma or Adenoma		0/47 (0%)	0/50 (0%)	1/49 (2%)		0/47 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/146 (0.68%)	Mean 0.68%	SD 1.18%	Total	0/147 (0%)	Mean 0%	SD 0%		
*Salivary Glands: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
*Salivary Glands: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
*Salivary Glands: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
*Salivary Glands: Myxoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (00/)				0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skeletal Muscle: Rhabdomyosarcoma or R	habdomyom	a 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
≭Skin: Basal Cell Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Contract/Lab: All Laboratori Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Route: INHALATION Vehicle: AIR					Page: 100 s Report Date: 11/11/2014				
			Male				Female			
#Skin: Basal Cell Carcinoma or	Basosquamou	is Tumor (malignant or NC)S)							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Skin:										
Basal Cell Carcinoma, Ba NOS), or Trichoepithelior		oma, Basosquamous Tum	or (benign, malignar	nt or						
,,,		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Skin: Basal or Sq. Cell Carcino Adenoma, Papilloma, Sq	ma, Carcinom Papilloma, Ke	a, Basosq. Tumor (M or B) ratoacanthoma, Trichoepi 0/50 (0%)), Basal Cell Adenom thelioma 0/50 (0%)	na, 1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/30 (0%)				0/30 (0/8)				
	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Skin:		1/150 (0.67%)	Mean 0.67%	SD 1.15%		1/150 (0.67%)		SD 1.15%		
#Skin: Fibroma, Fibrosarcoma,		1/150 (0.67%)	Mean 0.67%	SD 1.15%		1/150 (0.67%)	Mean 0.67% 0/50 (0%) Mean 2.67%	()		
#Skin: Fibroma, Fibrosarcoma, Overall Incidence	Sarcoma, Myxo Total	1/150 (0.67%) oma, Myxosarcoma, or Fik 0/50 (0%) 1/150 (0.67%)	Mean 0.67% prous Histiocytoma 0/50 (0%) Mean 0.67%	SD 1.15% 1/50 (2%) SD 1.15%	Total	1/150 (0.67%) 2/50 (4%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	SD 1.15%		
#Skin: Fibroma, Fibrosarcoma, Overall Incidence #Skin:	Sarcoma, Myxo Total	1/150 (0.67%) oma, Myxosarcoma, or Fik 0/50 (0%) 1/150 (0.67%)	Mean 0.67% prous Histiocytoma 0/50 (0%) Mean 0.67%	SD 1.15% 1/50 (2%) SD 1.15%	Total	1/150 (0.67%) 2/50 (4%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	SD 1.15%		
#Skin: Fibroma, Fibrosarcoma, Overall Incidence #Skin: Fibrosarcoma	Sarcoma, Myxo Total	1/150 (0.67%) oma, Myxosarcoma, or Fib 0/50 (0%) 1/150 (0.67%) 0/50 (0%) 0/150 (0%)	Mean 0.67% brous Histiocytoma 0/50 (0%) Mean 0.67% 0/50 (0%) Mean 0%	SD 1.15% 1/50 (2%) SD 1.15% 0/50 (0%) SD 0%	Total Total	1/150 (0.67%) 2/50 (4%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	SD 1.15% 2/50 (4%) SD 2.31%		
#Skin: Fibroma, Fibrosarcoma, Overall Incidence #Skin: Fibrosarcoma Overall Incidence #Skin:	Sarcoma, Myxo Total Total	1/150 (0.67%) oma, Myxosarcoma, or Fib 0/50 (0%) 1/150 (0.67%) 0/50 (0%) 0/150 (0%)	Mean 0.67% prous Histiocytoma 0/50 (0%) Mean 0.67% 0/50 (0%) Mean 0%	SD 1.15% 1/50 (2%) SD 1.15% 0/50 (0%)	Total Total	1/150 (0.67%) 2/50 (4%) 4/150 (2.67%) 0/50 (0%)	0/50 (0%) Mean 2.67% 0/50 (0%)	SD 1.15% 2/50 (4%) SD 2.31% 1/50 (2%)		

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Skin: Fibrous Histiocytoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Granular Cell Tumor Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Skin: Hemangiosarcoma								0/50 /00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 2/150 (1.33%)	2/50 (4%) Mean 1.33%	0/50 (0%) SD 2.31%
∕Skin: Keratoacanthoma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
≇Skin: Lipoma		0/50 / (521)	0/50 (001)	0/50 /00/)		0/50 (00%)	0/50 (00/)	0/50 /00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Skin: Liposarcoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Mast Cell Tumor Benign		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Mast Cell Tumor Malignant		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
≮Skin: Melanoma Benign		0/50 (02/)	4/50 (00%)	0/50 /00/		0/50 (00%)	0/50 (00/.)	0/50 (00/.)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Melanoma Malignant								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Neural Crest Tumor		4/50 (00%)	0/50 (00/)	0/50 /00/		4/50 (00)	0/50 (00/.)	0/50 (00/.)
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014
Contract/Lab: All Laboratories
Species: MICE
Strain: B6C3F1
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female					
#Skin: Neurofibroma or Schwannoma benign												
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%				
Skin: Neurofibrosarcoma or So	chwannoma (m	alignant or NOS)										
Neuronbrosarcoma or So		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
≴Skin:												
Neurofibrosarcoma, Neu	rofibroma, or S		• ,									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
tSkin: Osteosarcoma												
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
∕Skin: Sarcoma												
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	1/50 (2%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	3/150 (2%)	Mean 2%	SD 2%				
#Skin: Schwannoma Benign												
		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

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male					Female	
#Skin: Schwannoma Malignant									
		0/50 (0%)	0/50 (0%)	0/50	(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcinoma or Carcinoma		Carcinoma, Basosquamo	ous Tumor (malignant						
		0/50 (0%)	0/50 (0%)	0/50	(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)	0/50	(0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	(0,0)	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Squamous Cell Papilloma Overall Incidence	or Papillom a Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
#Skin: Squamous Cell Papilloma					(2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	-	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skin: Squamous Cell Papilloma,		or Keratoacanthoma 0/50 (0%)	0/50 (0%)		(2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Spinal Cord: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (00/)	0/50 (09/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Spleen: Hemangiosarcoma								
Overall Incidence	Total	3/50 (6%) 5/150 (3.33%)	0/50 (0%) Mean 3.33%	2/50 (4%) SD 3.06%	Total	2/49 (4%) 6/149 (4.03%)	1/50 (2%) Mean 4.03%	3/50 (6%) SD 2%
*Spleen: Mast Cell Tumor Malignant				0/50 (0)()		4/40 (20%)	0/50 (00/.)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/49 (2%) 1/149 (0.67%)	0/50 (0%) Mean 0.68%	0/50 (0%) SD 1.18%
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (00/.)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma c	or Papillom	na Squamous						
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
#Stomach, Forestomach: Squamous Cell Papilloma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR				Page: 106 Report Date: 11/11/2014				
			Male				Female		
#Stomach, Glandular: Adenoma		0/50 (0%)	0/50 (00/)	0/50 (0)()		0/50 (0%)	0/50 (00/)	0/50 (0%)	
Overall Incidence	Total	0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Stomach, Glandular: Carcinoma									
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	
#Stomach, Glandular: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	
		. ,				. ,			
*Testes: Adenoma Overall Incidence	Total	1/50 (2%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%					
	Total	2/150 (1.33%)							
*Testes: Hemangioma		0/50 (0%)	0/50 (0%)	1/50 (2%)					
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%					
*Thymus: Neoplasm NOS		0/42 (0%)	0/41 (0%)	0/39 (0%)		1/46 (2%)	0/44 (0%)	0/47 (0%)	
Overall Incidence	Total	0/122 (0%)	Mean 0%	SD 0%	Total	1/137 (0.73%)	Mean 0.72%	SD 1.26%	

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male		Female			
*Thymus: Thymoma Benign								
Overall Incidence	Total	0/42 (0%) 0/122 (0%)	0/41 (0%) Mean 0%	0/39 (0%) SD 0%	Total	0/46 (0%) 0/137 (0%)	0/44 (0%) Mean 0%	0/47 (0%) SD 0%
Thymus: Thymoma Malignant								
Overall Incidence	Total	0/42 (0%) 0/122 (0%)	0/41 (0%) Mean 0%	0/39 (0%) SD 0%	Total	0/46 (0%) 0/137 (0%)	0/44 (0%) Mean 0%	0/47 (0%) SD 0%
Thymus: Thymoma: Benign, Maligı	nant, NOS	0/42 (0%)	0/41 (0%)	0/39 (0%)		0/46 (0%)	0/44 (0%)	0/47 (0%)
Overall Incidence	Total	0/122 (0%)	Mean 0%	SD 0%	Total	0/137 (0%)	Mean 0%	SD 0%
Thyroid Gland: C-Cell: Adenoma		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	0/50 (0%) Mean 0%	SD 0%
Thyroid Gland: C-Cell: Carcinoma								
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Thyroid Gland: C-Cell: Carcinoma or Adenoma								
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male		Female			
*Thyroid Gland: Follicular Cell: Adenoma			- (
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
		. ,				()		
Thyroid Gland: Follicular Cell: Carcinoma or Adenoma								
Overell Insidence	Tatal	0/49 (0%)	0/50 (0%)	0/50 (0%)	Tatal	1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Tissue NOS: Fibrosarcoma		0/50 (00/)	0/50 (00/.)			0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	10tai	0/150 (0%)		3D 0%	TULAI	0/130 (0%)		JU 0%
#Tissue NOS: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma or	Papilloma	a Squamous						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Papilloma		0/50 /00/1	0/70 (00)	0/50 /00/3		0/50 (00/)	0/50 (00/)	0/50 (00/)
0	T . (.)	0/50 (0%)	0/50 (0%)	0/50 (0%)	T . (.)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 109 Report Da	te: 11/11/2014				
			Male				Female	
#Tooth: Odontoma	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Urethra: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Hemangiosarcoma		0/48 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	1/148 (0.68%)	Mean 0.67%	SD 1.15%	Total	0/148 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus: Carcinoma								
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus: Hemangioma						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1	Toxicology Data Management System Tumor Incidence for Selected Control Animal Group Route: INHALATION Vehicle: AIR	Tumor Incidence for Selected Control Animal Groups Route: INHALATION				
Length of Study: CHRONIC						
	Male		Female			
#Uterus:						
Hemangiosarcoma		0/50 (0%)	1/50 (2%)	1/50 (2%)		
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%		
#Uterus:						
Leiomyoma			4/50 (00/)	0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%		
#Uterus:						
Polyp Stromal						
Overall Incidence	Total	2/50 (4%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	2/50 (4%) SD 2.31%		
#Uterus:						
Sarcoma		0/50 (00/)	0/50 (00/)	0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Uterus:						
Sarcoma Stromal			0/50 (00()	0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Uterus:						
Sarcoma Stromal or Polyp Stromal						
		2/50 (4%)	0/50 (0%)	2/50 (4%)		
Overall Incidence	Total	4/150 (2.67%)	Mean 2.67%	SD 2.31%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicolo Tumor Inciden		Page: 111 Report Date: 11/11/2014			
			Male				Female	
#Zymbal's Gland: Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER

				Stu	dy Summary		
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Columbus Laboratory	052000904	11/09/04	730	50(1)	24(645)	57.1	beta-Picoline
Battelle Columbus Laboratory	059601406	09/26/06	730	50(1)	25(660)	55.9	Water disinfection byproducts (Bromodichloroacetic acid)
					Female		
Battelle Columbus Laboratory	052000904	11/08/04	729	50(5)	38(702)	67.4	beta-Picoline
Battelle Columbus Laboratory	059601406	09/25/06	729	50(5)	30(680)	63.5	Water disinfection byproducts (Bromodichloroacetic acid)

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 113 Report Date: 11/11/2014				
			Male	Female				
#All Organs: Benign Tumors Overall Incidence	Total	36/50 (72%) 79/100 (79%)	43/50 (86%) Mean 79%	SD 9.9%	Total	40/50 (80%) 76/100 (76%)	36/50 (72%) Mean 76%	SD 5.66%
		19/100 (19/8)						30 3.00%
#All Organs: Malignant Tumors		36/50 (72%)	30/50 (60%)			29/50 (58%)	31/50 (62%)	
Overall Incidence	Total	66/100 (66%)	Mean 66%	SD 8.49%	Total	60/100 (60%)	Mean 60%	SD 2.83%
#All Organs: Malignant and Benign Tumc Overall Incidence		48/50 (96%) 96/100 (96%)	48/50 (96%) Mean 96%	SD 0%	Total	43/50 (86%) 88/100 (88%)	45/50 (90%) Mean 88%	SD 2.83%
#All Organs: Hemangioma Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
	10tai					0/100 (0%)		30 0%
#All Organs: Hemangiosarcoma		6/50 (12%)	5/50 (10%)			3/50 (6%)	6/50 (12%)	
Overall Incidence	Total	11/100 (11%)	Mean 11%	SD 1.41%	Total	9/100 (9%)	Mean 9%	SD 4.24%
#All Organs: Hemangiosarcoma or Hema	ngioma	7/50 (14%)	5/50 (10%)			3/50 (6%)	6/50 (12%)	
Overall Incidence	Total	12/100 (12%)	Mean 12%	SD 2.83%	Total	9/100 (9%)	Mean 9%	SD 4.24%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 114 Report Date: 11/11/2014				
			Male				Female	
#All Organs: Histiocytic Sarcoma								
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	1/50 (2%) 3/100 (3%)	2/50 (4%) Mean 3%	SD 1.41%
#All Organs: Malignant Lymphoma: Histic		phocytic. Mixed. NOS. or						
manghant Lymphomai moti	, _ j,	0/50 (0%)	0/50 (0%)			14/50 (28%)	6/50 (12%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	20/100 (20%)	Mean 20%	SD 11.31%
#All Organs: Mesothelioma: Benign								
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
All Organs: Mesothelioma: Benign, Mali						0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
All Organs: Mesothelioma: Malignant						0/50 /00/1	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#All Organs: Osteoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 115 Report Date: 11/11/2014			
			Male		Female			
#All Organs: Osteosarcoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%
All Organs: Osteosarcoma or Osteoma		0/50 (0%)	0/50 (0%)			2/50 (4%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	3/100 (3%)	Mean 3%	SD 1.41%
Adrenal Cortex: Adenoma Dverall Incidence	Total	2/49 (4%) 4/99 (4.04%)	2/50 (4%) Mean 4.04%	SD 0.06%	Total	0/49 (0%) 0/98 (0%)	0/49 (0%) Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Benign Iverall Incidence		0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/49 (2%) 1/99 (1.01%)	0/50 (0%) Mean 1.02%	SD 1.44%
Adrenal Medulla: Pheochromocytoma Maligna	ant	0/49 (0%)	0/50 (0%)			0/49 (0%)	0/50 (0%)	
Overall Incidence	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma: Benigr	n, Complex	, Malignant, NOS 0/49 (0%)	0/50 (0%)			1/49 (2%)	0/50 (0%)	
Overall Incidence	Total	0/99 (0%)	Mean 0%	SD 0%	Total	1/99 (1.01%)	Mean 1.02%	SD 1.44%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				logy Data Manageme nce for Selected Contr Route: ORAL Vehicle: WATER			Page: 116 Report Date: 11/11/2014		
			Male			Female			
#Blood Vessel: Hemangioma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
*Bone Marrow: Hemangioma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%	
*Bone Marrow: Hemangiosarcoma		2/50 (4%)	0/50 (0%)			1/49 (2%)	0/50 (0%)		
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	1/99 (1.01%)	Mean 1.02%	SD 1.44%	
Bone Marrow: Mast Cell Tumor Malignant		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%	
Bone Marrow: Sarcoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%	
#Bone: Fibroma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicolo Tumor Inciden		Page: 117 Report Da	nte: 11/11/2014		
			Male				Female	
#Bone: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Bone: Osteoma		2/52 (25%)	0/50 (001)			0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Bone: Osteosarcoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	2/50 (4%) 2/100 (2%)	0/50 (0%) Mean 2%	SD 2.83%
#Bone: Osteosarcoma or Osteoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%
		()		50 0%		3/100 (378)	Mean 576	50 1.4170
#Bone: Sarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Brain: Granular Cell Tumor Benign		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%

/ersion: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC					Page: 118 Report Date: 11/11/2014			
		Male				Female		
	0/50 (0%)	1/50 (2%)			0/50 (0%)	0/49 (0%)		
Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/99 (0%)	Mean 0%	SD 0%	
Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/99 (0%)	Mean 0%	SD 0%	
ant	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
	. ,				. ,		SD 0%	
a, or Astrocy	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%	
Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/97 (0%)	Mean 0%	SD 0%	
	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/47 (0%)		
Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/97 (0%)	Mean 0%	SD 0%	
	Total gnant, NOS Total ant Total a, or Astrocy Total Total	0/50 (0%) Total 1/100 (1%) gnant, NOS 0/50 (0%) Total 1/100 (1%) ant 0/50 (0%) Total 1/100 (1%) ant 0/50 (0%) Total 0/100 (0%) Total 0/100 (0%) Total 0/50 (0%) Total 0/100 (0%) Total 0/100 (0%) Total 0/50 (0%) Total 0/100 (0%)	Male Male 0/50 (0%) 1/50 (2%) Total 1/100 (1%) Mean 1% 0/50 (0%) gnant, NOS 0/50 (0%) Total 1/100 (1%) Mean 1% 0/50 (0%) ant 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/100 (0%) Mean 0% 0/50 (0%) A, or Astrocytoma 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 0/100 (0%) Mean 0% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Male 0/50 (0%) 1/50 (2%) Total 1/100 (1%) Mean 1% SD 1.41% gnant, NOS 0/50 (0%) 1/50 (2%) Total 1/100 (1%) Mean 1% SD 1.41% gnant, NOS 0/50 (0%) 1/50 (2%) Total 0/50 (0%) 1/50 (2%) Total Nate 0/50 (0%) 1/50 (2%) Total Nos 0/50 (0%) 1/50 (2%) Total Nos 0/50 (0%) 0/50 (0%) Nos SD 1.41% ant 0/50 (0%) 0/50 (0%) SD 0% a, or Astrocytoma 0/50 (0%) 0/50 (0%) SD 0% Total 0/100 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0%	Route: ORAL Vehicle: WATER Male Male Total 1/100 (1%) Mean 1% SD 1.41% Total gnant, NOS 0/50 (0%) 1/50 (2%) Total Total gnant 0/50 (0%) 0/50 (0%) Total Total gnant 0/50 (0%) 0/50 (0%) SD 0% Total	Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER Male Male 1/100 (1%) 1/50 (2%) Mean 1% 0/50 (0%) SD 1.41% 0/50 (0%) O/50 (0%) gnant, NOS 0/50 (0%) 1/50 (2%) Mean 1% Total 0/50 (0%) O/50 (0%) gnant, NOS 0/50 (0%) 1/50 (2%) Mean 1% Total 0/50 (0%) O/50 (0%) ant 0/50 (0%) Total 0/50 (0%) Mean 0% 0/50 (0%) SD 0% 0/50 (0%) Total 0/50 (0%) O/50 (0%) a, or Astrocytoma 0/50 (0%) Mean 0% SD 0% Total 0/99 (0%) 1/100 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/99 (0%) 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/99 (0%) 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/99 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% 0/50 0% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER Report Dat Route: ORAL Vehicle: WATER Male Female 0/50 (0%) 1/50 (2%) Mean 1% 0/50 (0%) Mean 1% 0/50 (0%) Mean 0% 0/49 (0%) Mean 0% gnant, NOS 0/50 (0%) 1/50 (2%) Mean 1% Total 0/50 (0%) Mean 0% 0/49 (0%) Mean 0% ant 0/50 (0%) 1/50 (2%) Mean 0% Total 0/50 (0%) Mean 0% 0/49 (0%) Mean 0% ant 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) Mean 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 119 Report Date: 11/11/2014					
			Male		Female			
#Coagulating Gland: Granular Cell Tumor		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Coagulating Gland: Sarcoma						- (()		
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Eye: Melanoma Malignant Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Harderian Gland: Adenoma Overall Incidence	Total	5/50 (10%) 11/100 (11%)	6/50 (12%) Mean 11%	SD 1.41%	Total	2/50 (4%) 7/100 (7%)	5/50 (10%) Mean 7%	SD 4.24%
#Harderian Gland: Carcinoma		2/50 (4%)	0/50 (0%)			2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	2/100 (2%)	Mean 2%	SD 2.83%
#Harderian Gland: Carcinoma or Adenoma		7/50 (14%)	6/50 (12%)			4/50 (8%)	5/50 (10%)	
Overall Incidence	Total	13/100 (13%)	Mean 13%	SD 1.41%	Total	9/100 (9%)	Mean 9%	SD 1.41%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxico Tumor Incider		Page: 120 Report Date: 11/11/2014			
			Male			Female		
*Heart: Hemangiosarcoma		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
#Intestine Large: Cecum: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
						. ,		
#Intestine Large: Cecum: Carcinoma						- / /	- / /	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Large: Cecum: Carcinoma or Adenoma		0/50 (00/)	4/50 (00()			0/50 (00()	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Large: Cecum: Leiomyosarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		()		070 070	ı ulaı	0/100 (070)		0/0 U/0
#Intestine Small: Duodenum: Adenoma		0/50 (001)						
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
						()		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 121 Report Date: 11/11/2014						
			Male		Female				
#Intestine Small: Duodenum: Carcinoma									
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#Intestine Small: Ileum: Adenoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#Intestine Small: Ileum: Carcinoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#Intestine Small: Jejunum: Adenoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#Intestine Small: Jejunum: Carcinoma									
Overall Incidence	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#Intestine Small: Jejunum: Leiomyosarcoma						·····			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laborator Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 122 Report Date: 11/11/2014			
			Male				Female	
#Intestine Small: Site Uns Adenoma	pecified:	0/50 (00/)	4/50 (QQ())			0/50 (00/)	0/50 /00/)	
Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Site Unsp Carcinoma								
Overall Incidence	Total	2/50 (4%) 4/100 (4%)	2/50 (4%) Mean 4%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Site Unsp Carcinoma or Adenoma	pecified:							
Overall Incidence	Total	2/50 (4%) 5/100 (5%)	3/50 (6%) Mean 5%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Intestine Small: Site Uns Leiomyosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Adenoma								
Overall Incidence	Total	1/49 (2%) 1/99 (1.01%)	0/50 (0%) Mean 1.02%	SD 1.44%	Total	0/48 (0%) 0/97 (0%)	0/49 (0%) Mean 0%	SD 0%
*Islets, Pancreatic: Carcinoma		0/40 (0%/)	0/50 (0%/)			0/48 (00/.)	0/40 (00/)	
Overall Incidence	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/48 (0%) 0/97 (0%)	0/49 (0%) Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				logy Data Manageme nce for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 123 Report Dat	e: 11/11/2014
			Male				Female	
*Islets, Pancreatic: Carcinoma or Adenoma		1/49 (2%)	0/50 (0%)			0/48 (0%)	0/49 (0%)	
Overall Incidence	Total	1/99 (1.01%)	Mean 1.02%	SD 1.44%	Total	0/97 (0%)	Mean 0%	SD 0%
*Kidney: Pelvis and Transition Carcinoma		um:						
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%)	0/50 (0%) Mean 0%	SD 0%
		0/100 (0%)				0/99 (0%)		
*Kidney: Pelvis and Transition Carcinoma or Adenoma	nal Epitheliu							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%
		. ,				()		
*Kidney: Renal Tubule: Adenoma		0/50 (0%)	2/50 (4%)			0/49 (0%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/99 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma								
		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma							0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 2/100 (2%)	2/50 (4%) Mean 2%	SD 2.83%	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%
		. ,				()		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC		Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER						te: 11/11/2014
			Male	Female				
*Kidney: Renal Tubule: Hemangioma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%
		0/100 (0/8)				0/33 (078)		
*Kidney: Renal Tubule: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%
*Liver: Hemangioma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/98 (0%)	0/49 (0%) Mean 0%	SD 0%
								50 0%
*Liver: Hemangiosarcoma		5/50 (10%)	1/50 (2%)			2/49 (4%)	2/49 (4%)	
Overall Incidence	Total	6/100 (6%)	Mean 6%	SD 5.66%	Total	4/98 (4.08%)	Mean 4.08%	SD 0%
*Liver: Hepatoblastoma		6/50 (12%)	4/50 (8%)			1/49 (2%)	0/49 (0%)	
Overall Incidence	Total	10/100 (10%)	Mean 10%	SD 2.83%	Total	1/98 (1.02%)	Mean 1.02%	SD 1.44%
*Liver: Hepatocellular Adenoma		33/50 (66%)	39/50 (78%)			38/49 (78%)	33/49 (67%)	
Overall Incidence	Total	72/100 (72%)	Mean 72%	SD 8.49%	Total	71/98 (72.45%)	Mean 72.45%	SD 7.22%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				logy Data Manageme nce for Selected Contr Route: ORAL Vehicle: WATER	Page: 125 Report Date: 11/11/2014			
			Male				Female	
*Liver: Hepatocellular Carcinoma		26/50 (52%)	12/50 (24%)			11/49 (22%)	9/49 (18%)	
Overall Incidence	Total	38/100 (38%)	Mean 38%	SD 19.8%	Total	20/98 (20.41%)	Mean 20.41%	SD 2.89%
*Liver: Hepatocellular Carcinoma c		astoma 26/50 (52%)	15/50 (30%)			12/49 (24%)	9/49 (18%)	
Overall Incidence	Total	41/100 (41%)	Mean 41%	SD 15.56%	Total	21/98 (21.43%)	Mean 21.43%	SD 4.33%
*Liver: Hepatocellular Carcinoma c Overall Incidence	Total	45/50 (90%) 87/100 (87%)	42/50 (84%) Mean 87%	SD 4.24%	Total	40/49 (82%) 76/98 (77.55%)	36/49 (73%) Mean 77.55%	SD 5.77%
*Liver: Hepatocellular Carcinoma, I						40/49 (82%)	36/49 (73%)	
Overall Incidence	Total	87/100 (87%)	Mean 87%	SD 4.24%	Total	76/98 (77.55%)	Mean 77.55%	SD 5.77%
*Liver: Hepatocholangiocarcinoma		2/50 (4%)	0/50 (0%)			0/49 (0%)	0/49 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/98 (0%)	Mean 0%	SD 0%
*Liver: Ito Cell Tumor Benign		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/49 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Manageme nce for Selected Contr Route: ORAL Vehicle: WATER	Page: 126 Report Date: 11/11/2014			
			Male				Female	
*Liver: Mast Cell Tumor Malignant		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/49 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%
*Liver: Sarcoma		0/50 (0%)	0/50 (00/)			0/49 (0%)	0/40 (0%)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/98 (0%)	0/49 (0%) Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar Adenc Overall Incidence	Total	6/50 (12%) 19/100 (19%)	13/50 (26%) Mean 19%	SD 9.9%	Total	5/50 (10%) 8/100 (8%)	3/50 (6%) Mean 8%	SD 2.83%
*Lung: Alveolar/Bronchiolar Carcir		9/50 (18%)	7/50 (14%)			7/50 (14%)	2/50 (4%)	
Overall Incidence	Total	16/100 (16%)	Mean 16%	SD 2.83%	Total	9/100 (9%)	Mean 9%	SD 7.07%
*Lung: Alveolar/Bronchiolar Carcir						11/50 (22%)	5/50 (10%)	
Overall Incidence	Total	33/100 (33%)	Mean 33%	SD 7.07%	Total	16/100 (16%)	Mean 16%	SD 8.49%
*Lung: Hemangiosarcoma		2/50 (4%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 2.83%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Inciden		Page: 127 Report Date: 11/11/2014			
			Male				Female	
#Lymph Node, Mandibular: Mast Cell Tumor Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Lymph Node, Mediastinal: Mast Cell Tumor Malignant		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Mammary Gland: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%
#Mammary Gland: Fibroma, Fibroadenoma, Ca			0/50 (0%)			0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 128 Report Date: 11/11/2014					
			Male		<u>.</u>	Female		
#Mesentery: Hemangioma		0/50 /00/)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Mesentery: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%
#Mesentery: Lipoma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%
Mesentery: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Nose: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%
'Nose: Hemangiosarcoma		4/50 (200)	0/50 (001)			0/40 /00/1	0/50 (00/)	
Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Inciden	Page: 129 Report Date: 11/11/2014				
			Male		Female			
#Oral Cavity (Oral Mucos Papilloma Squamous o								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Phary							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Oral Cavity (Oral Mucos	sa, Tongue, Phary	ynx, Tooth, Gingiva): Squamous, or Papilloma 0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Oral Mucosa: Squamous Cell Carcin	oma	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
*Ovary: Choriocarcinoma								
Overall Incidence					Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%
*Ovary: Cystadenocarcinoma						0/40 (0%)	0/50 (0%)	
a						0/49 (0%)	0/50 (0%)	25 <i>ani</i>

 Overall Incidence
 Total
 0/99 (0%)
 Mean 0%
 SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Group Route: ORAL Vehicle: WATER	S	Page: 130 Report Date: 11/11/2014				
	Male		Female				
*Ovary: Cystadenoma							
Overall Incidence	Total	3/49 (6%) 4/99 (4.04%)	1/50 (2%) Mean 4.06%	SD 2.92%			
*Ovary: Granulosa Cell Tumor Benign							
Overall Incidence	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%			
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS		-/ /	- / / /				
Overall Incidence	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%			
'Ovary: Hemangioma		0/40 (0%)	0/50 (00/)				
Overall Incidence	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%			
'Ovary: Hemangiosarcoma							
Overall Incidence	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%			
'Ovary: Luteoma							
Overall Incidence	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	3			ogy Data Manageme ce for Selected Contr Route: ORAL Vehicle: WATER	Page: 131 Report Date: 11/11/2014			
·			Male		Female			
*Ovary: Sarcoma								
Overall Incidence					Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%
*Ovary: Tubulostromal Adenoma								
Overall Incidence					Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%
*Ovary: Yolk Sac Carcinoma								
Overall Incidence					Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%
*Pancreas: Carcinoma								
Overall Incidence	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/48 (0%) 0/97 (0%)	0/49 (0%) Mean 0%	SD 0%
*Pancreas: Carcinoma or Adenoma								
Overall Incidence	Total	0/49 (0%) 0/99 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/48 (0%) 0/97 (0%)	0/49 (0%) Mean 0%	SD 0%
*Pituitary Gland: Pars Distali Adenoma		fied Site:						
Overall Incidence	Total	0/47 (0%) 0/97 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	4/50 (8%) 6/99 (6.06%)	2/49 (4%) Mean 6.04%	SD 2.77%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicolo Tumor Inciden		Page: 132 Report Date: 11/11/2014					
			Male			Female				
*Pituitary Gland: Pars Distalis Carcinoma or Adenoma	s or Unspeci	ified Site:								
Overall Incidence	Total	0/47 (0%) 0/97 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	4/50 (8%) 6/99 (6.06%)	2/49 (4%) Mean 6.04%	SD 2.77%		
Pituitary Gland: Pars Intermo Adenoma										
Overall Incidence	Total	0/47 (0%) 0/97 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/99 (0%)	0/49 (0%) Mean 0%	SD 0%		
Pituitary Gland: Pars Intermo Carcinoma or Adenoma		0/47 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	0/97 (0%)	Mean 0%	SD 0%	Total	0/99 (0%)	Mean 0%	SD 0%		
Salivary Glands: Adenoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/48 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%		
Salivary Glands: Carcinoma or Adenoma							0/40 (00/)			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/98 (0%)	0/48 (0%) Mean 0%	SD 0%		
Salivary Glands: Hemangiosarcoma			0/50 (001)			0/50 (227)	0/40 (2021)			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/98 (0%)	0/48 (0%) Mean 0%	SD 0%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				logy Data Manageme nce for Selected Contro Route: ORAL Vehicle: WATER			Page: 133 Report Da	te: 11/11/2014	
			Male			Female			
*Salivary Glands: Myxoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/48 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/98 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Hemangiosarcoma		- ()							
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%	
#Skeletal Muscle: Rhabdomyosarcoma Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
		()				, ,			
#Skeletal Muscle: Rhabdomyosarcoma or Rha	bdomyoma	1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Sarcoma							0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
#Skin: Basal Cell Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	

/ersion: Nov2014				ogy Data Manageme	-		Page: 134	
Contract/Lab: All Laborator	ries		I umor Inciden	ce for Selected Contr	ol Animal Groups		Report Da	ite: 11/11/2014
Species: MICE				Route: ORAL				
Strain: B6C3F1	•			Vehicle: WATER				
ength of Study: CHRONI	C							
			Male				Female	
Skin:	_							
Basal Cell Carcinoma or	r Basosquamous	s Tumor (malignant or NC 0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
Skin:								
Basal Cell Carcinoma, B NOS), or Trichoepithelio	Basal Cell Adeno oma	ma, Basosquamous Tum	or (benign, malignar	nt or				
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
		0/00 (0/0)						
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
	oma, Carcinoma	0/100 (0%)	Mean 0%		Total	0/100 (0%)	Mean 0%	SD 0%
∜Skin: Basal or Sq. Cell Carcin	oma, Carcinoma	0/100 (0%)	Mean 0%		Total	0/100 (0%) 0/50 (0%)	Mean 0%	SD 0%
∜Skin: Basal or Sq. Cell Carcin	oma, Carcinoma q Papilloma, Ker Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0%		Total			SD 0%
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence	ooma, Carcinoma q Papilloma, Ker Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%)	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0%	na, SD 0%	Total	0/50 (0%)	0/50 (0%)	
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin:	ooma, Carcinoma q Papilloma, Ker Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%) oma, Myxosarcoma, or Fib	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0% prous Histiocytoma	na, SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma,	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%) oma, Myxosarcoma, or Fib 1/50 (2%)	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0% prous Histiocytoma 1/50 (2%)	na, SD 0%	Total	0/50 (0%) 0/100 (0%) 2/50 (4%)	0/50 (0%) Mean 0% 4/50 (8%)	SD 0%
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma,	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%) oma, Myxosarcoma, or Fib	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0% brous Histiocytoma 1/50 (2%) Mean 2%	na, SD 0%	Total Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma, Overall Incidence	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%) 0/100 (0%) 0/100 (2%)	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0% brous Histiocytoma 1/50 (2%) Mean 2%	na, SD 0% SD 0%	Total Total	0/50 (0%) 0/100 (0%) 2/50 (4%)	0/50 (0%) Mean 0% 4/50 (8%)	SD 0%
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma, Overall Incidence	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%) 0/100 (0%) 0/100 (2%)	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0% brous Histiocytoma 1/50 (2%) Mean 2%	na, SD 0% SD 0%	Total Total	0/50 (0%) 0/100 (0%) 2/50 (4%)	0/50 (0%) Mean 0% 4/50 (8%)	SD 0%
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma, Overall Incidence Skin: Fibrosarcoma	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo Total Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%) 0/100 (2%) 0/50 (0%) 0/50 (0%) 0/100 (0%)	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0% brous Histiocytoma 1/50 (2%) Mean 2% 0/50 (0%) Mean 0%	na, SD 0% SD 0% SD 0%	Total Total Total	0/50 (0%) 0/100 (0%) 2/50 (4%) 6/100 (6%)	0/50 (0%) Mean 0% 4/50 (8%) Mean 6%	SD 0%
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence #Skin: Fibroma, Fibrosarcoma, Overall Incidence #Skin: Fibrosarcoma	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo Total Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%) 0/100 (0%) 0/50 (2%) 0/50 (0%)	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0% brous Histiocytoma 1/50 (2%) Mean 2% 0/50 (0%) Mean 0%	na, SD 0% SD 0%	Total Total Total	0/50 (0%) 0/100 (0%) 2/50 (4%) 6/100 (6%) 0/50 (0%)	0/50 (0%) Mean 0% 4/50 (8%) Mean 6% 0/50 (0%)	SD 0% SD 2.83%
Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence Skin: Fibroma, Fibrosarcoma, Overall Incidence Skin: Fibrosarcoma Overall Incidence	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo Total Total	0/100 (0%) a, Basosq. Tumor (M or B) atoacanthoma, Trichoepi 0/50 (0%) 0/100 (0%) 0/100 (2%) 0/50 (0%) 0/50 (0%) 0/100 (0%)	Mean 0%), Basal Cell Adenom thelioma 0/50 (0%) Mean 0% brous Histiocytoma 1/50 (2%) Mean 2% 0/50 (0%) Mean 0%	na, SD 0% SD 0% SD 0%	Total Total Total	0/50 (0%) 0/100 (0%) 2/50 (4%) 6/100 (6%) 0/50 (0%)	0/50 (0%) Mean 0% 4/50 (8%) Mean 6% 0/50 (0%)	SD 0% SD 2.83%

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			Male				Female	
#Skin: Fibrous Histiocytoma		1/50 (2%)	1/50 (2%)			0/50 (0%)	3/50 (6%)	
Overall Incidence	Total	2/100 (2%)	Mean 2%	SD 0%	Total	3/100 (3%)	Mean 3%	SD 4.24%
#Skin: Granular Cell Tumor Benign	i	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
¥Skin: Hemangioma Overall Incidence	Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Skin: Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 2/100 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%
Skin: Keratoacanthoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
έSkin: Lipoma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Managem ce for Selected Cont Route: ORAL Vehicle: WATER	rol Animal Groups		Page: 136 Report Da	te: 11/11/2014
			Male				Female	
#Skin: Liposarcoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Mast Cell Tumor Benign		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/30 (2%)	0/50 (0%) Mean 1%	SD 1.41%
#Skin: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
≭Skin: Melanoma Benign Dverall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Melanoma Malignant Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin: Neural Crest Tumor		0/50 (0%)	0/50 (0%)	070 070	ı ulaı	0/50 (0%)	0/50 (0%)	070
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicole Tumor Inciden	Page: 137 Report Date: 11/11/2014						
			Male			Female				
#Skin: Neurofibroma or Schwann	oma benign									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		
≇Skin: Neurofibrosarcoma or Sch		alignant or NOS)								
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 3/100 (3%)	3/50 (6%) Mean 3%	SD 4.24%		
#Skin: Neurofibrosarcoma, Neuro						0/50 (0%)	3/50 (6%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	3/100 (3%)	Mean 3%	SD 4.24%		
#Skin: Osteosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%		
#Skin: Sarcoma										
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	2/50 (4%) 3/100 (3%)	1/50 (2%) Mean 3%	SD 1.41%		
#Skin: Schwannoma Benign		0/50 (0%)	0/50 (09/)			0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%		

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Contract/Lab: All Laboratories			l umor Inciden	ce for Selected Contr	ol Animal Groups		Report Da	te: 11/11/2014
Species: MICE				Route: ORAL				
Strain: B6C3F1				Vehicle: WATER				
Length of Study: CHRONIC								
			Male				Female	
#Skin:								
Schwannoma Malignant		0/50 (00/)	0/50 (00/)			0/50 (00/)	0/50 (00/)	
A	-	0/50 (0%)	0/50 (0%)	00.00/	T ()	0/50 (0%)	3/50 (6%)	00 4 9 494
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	3/100 (3%)	Mean 3%	SD 4.24%
#Skin:								
Squamous Cell Carcinoma, or Carcinoma	Basal Cell C	arcinoma, Basosquamou	us Tumor (malignant	or NOS),				
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Skin:								
Squamous Cell Papilloma o	r Papilloma	0/50 (00/)					0/50 (00()	
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%)	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
	Total		Mean 0%		Total	()	wean 0%	50 0%
#Skin:								
Squamous Cell Papilloma, F	Papilloma, So	quamous Cell Carcinoma 0/50 (0%)	or Keratoacanthoma	1		0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
		()						
#Skin: Squamous Cell Papilloma, F	Papilloma, or	r Keratoacanthoma						
	,	0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Manageme nce for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 139 Report Da	te: 11/11/2014	
			Male			Female			
#Spinal Cord: Hemangiosarcoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
*Spleen: Hemangiosarcoma		1/46 (2%)	2/50 (4%)			1/46 (2%)	0/49 (0%)		
Overall Incidence	Total	3/96 (3.12%)	Mean 3.09%	SD 1.29%	Total	1/95 (1.05%)	Mean 1.09%	SD 1.54%	
*Spleen: Mast Cell Tumor Malignant Overall Incidence	Total	0/46 (0%) 0/96 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/46 (0%) 0/95 (0%)	0/49 (0%) Mean 0%	SD 0%	
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%	
#Stomach, Forestomach: Squamous Cell Carcinoma c	or Papillom	a Squamous 0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	
#Stomach, Forestomach: Squamous Cell Papilloma		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	1/100 (1%)	Mean 1%	SD 1.41%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 140 Report Date: 11/11/2014			
			Male				Female	
#Stomach, Glandular: Adenoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
Testes: Adenoma Overall Incidence	Total	0/50 (0%) 1/100 (1%)	1/50 (2%) Mean 1%	SD 1.41%				
Testes: Hemangioma		0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%				
Thymus: Neoplasm NOS		0/41 (0%)	0/45 (0%)			0/45 (0%)	0/50 (0%)	
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	0/95 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Managemo ce for Selected Cont Route: ORAL Vehicle: WATER	-		Page: 141 Report Dat	e: 11/11/2014	
			Male			Female			
*Thymus: Thymoma Benign		0/41 (0%)	0/45 (0%)			0/45 (0%)	0/50 (0%)		
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	0/95 (0%)	Mean 0%	SD 0%	
*Thymus: Thymoma Malignant		0/41 (0%)	0/45 (0%)			0/45 (0%)	0/50 (0%)		
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	0/95 (0%)	Mean 0%	SD 0%	
*Thymus: Thymoma: Benign, Maligna Overall Incidence		0/41 (0%) 0/86 (0%)	0/45 (0%) Mean 0%	SD 0%	Total	0/45 (0%) 0/95 (0%)	0/50 (0%) Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Adenoma Overall Incidence		0/49 (0%)				0/48 (0%)	0/49 (0%)		
	Total	0/99 (0%)		SD 0%	Total	0/97 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma		0/49 (0%)	0/50 (0%)			0/48 (0%)	0/49 (0%)		
Overall Incidence	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/97 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		0/49 (0%)	0/50 (0%)			0/48 (0%)	0/49 (0%)		
Overall Incidence	Total	0/99 (0%)	Mean 0%	SD 0%	Total	0/97 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Manageme ice for Selected Contro Route: ORAL Vehicle: WATER			Page: 142 Report Dat	e: 11/11/2014	
			Male			Female			
*Thyroid Gland: Follicular Cel Adenoma	l:								
Overall Incidence	Total	1/49 (2%) 2/99 (2.02%)	1/50 (2%) Mean 2.02%	SD 0.03%	Total	0/48 (0%) 0/97 (0%)	0/49 (0%) Mean 0%	SD 0%	
Thyroid Gland: Follicular Cel Carcinoma or Adenoma									
Overall Incidence	Total	1/49 (2%) 2/99 (2.02%)	1/50 (2%) Mean 2.02%	SD 0.03%	Total	0/48 (0%) 0/97 (0%)	0/49 (0%) Mean 0%	SD 0%	
¢Tissue NOS: Fibrosarcoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
Tissue NOS: Hemangiosarcoma									
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
Tongue: Squamous Cell Carcinoma (
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	
FTongue: Squamous Cell Papilloma			0/50 (00/1)			0/50 (00/)	0/50 (0%)		
Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: ORAL Vehicle: WATER					Page: 143 Report Date: 11/11/2014			
			Male				Female				
#Tooth: Odontoma Overall Incidence	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
tUrethra:						. ,					
Hemangiosarcoma		0/50 (0%)	1/50 (2%)			0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	1/100 (1%)	Mean 1%	SD 1.41%	Total	0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
Urinary Bladder: Hemangiosarcoma		0/45 (00/)	0/50 (00/)			0/44 (00/)	0/50 (00/)				
Overall Incidence	Total	0/45 (0%) 0/95 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/44 (0%) 0/94 (0%)	0/50 (0%) Mean 0%	SD 0%			
Uterus: Adenoma											
Overall Incidence					Total	1/50 (2%) 1/100 (1%)	0/50 (0%) Mean 1%	SD 1.41%			
Uterus: Carcinoma											
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			
Uterus: Hemangioma											
Overall Incidence					Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE	Toxicology Data Management Syste Tumor Incidence for Selected Control Animal Route: ORAL	Page: 144 Report Date: 11/11/2014			
Strain: B6C3F1	Vehicle: WATER				
Length of Study: CHRONIC					
	Male		Female		
#Uterus:					
Hemangiosarcoma			0/50 (0%)	1/50 (2%)	
Overall Incidence		Total	1/100 (1%)	Mean 1%	SD 1.41%
#Uterus:					
Leiomyoma			0/50 (0%)	0/50 (0%)	
Overall Incidence		Total	0/100 (0%)	Mean 0%	SD 0%
#Uterus:					
Polyp Stromal			0/50 (40/)	4/50 (00()	
Overall Incidence		Total	2/50 (4%) 6/100 (6%)	4/50 (8%) Mean 6%	SD 2.83%
#Uterus:				••••••	
Sarcoma			0/50 (00/)	0/50 (00()	
Overall Incidence		Total	0/50 (0%) 0/100 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus:					
Sarcoma Stromal					
Overall Insidence		Tatal	0/50 (0%)	0/50 (0%)	
Overall Incidence		Total	0/100 (0%)	Mean 0%	SD 0%
#Uterus:					
Sarcoma Stromal or Polyp Stromal					
			2/50 (4%)	4/50 (8%)	
Overall Incidence		Total	6/100 (6%)	Mean 6%	SD 2.83%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicolo Tumor Inciden	Page: 145 Report Date: 11/11/2014				
			Male				Female	
#Zymbal's Gland: Carcinoma		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/100 (0%)	Mean 0%	SD 0%	Total	0/100 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE

Study Summary										
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical			
					Male					
Southern Research Institute	058813308	12/13/04	729	50(1)	30(665)	54.9	Trimethylolpropane triacrylate			
					Female					
Southern Research Institute	058813308	12/13/04	732	50(1)	39(712)	66.6	Trimethylolpropane triacrylate			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Route: SKIN	ol Animal Groups		: 11/11/2014	
			Male Female (74%) 41/50 (82%)) Mean 74% SD 0%) Mean 74% SD 0% (76%) 38/50 (76%))) Mean 76% SD 0% (76%) 38/50 (76%))) Mean 76% SD 0% (76%) 38/50 (76%))) Mean 76% SD 0% (76%) 38/50 (76%) (0%) Mean 76% SD 0% (92%) SD 0% Total (92%) Mean 92% SD 0% (12%) 2/50 (4%)					
#All Organs: Benign Tumors		37/50 (74%)	Tumor Incidence for Selected Control Anima Route: SKIN Vehicle: ACETONE Male 37/50 (74%) Mean 74% SD 0% 38/50 (76%) Mean 76% SD 0% 46/50 (92%) Mean 92% SD 0% 0/50 (0%) Mean 92% SD 0%		· · ·			
Overall Incidence	Total	()				· · ·	Mean 82%	SD 0%
#All Organs: Malignant Tumors		38/50 (76%)				38/50 (76%)		
Overall Incidence	Total	(/				()		SD 0%
#All Organs: Malignant and Benign Tumo		46/50 (92%)				47/50 (94%)		SD 0%
#All Organs: Hemangioma Overall Incidence		0/50 (0%)				0/50 (0%)		SD 0%
#All Organs: Hemangiosarcoma		·····						
Overall Incidence	Total	6/50 (12%)				2/50 (4%)		SD 0%
#All Organs: Hemangiosarcoma or Hema								
Overall Incidence	Total	6/50 (12%) 6/50 (12%)	Mean 12%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%
*: Denominator is number of animals	s with tissues e			SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Cont Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 148 Report Date: 11/11/2014				
			Male			Groups Female 2/50 (4%) Female 'otal 2/50 (4%) 'otal 2/50 (4%) Mean 4% SD 0% 'otal 20/50 (40%) 'otal 20/50 (40%) Mean 40% SD 0% 'otal 0/50 (0%) 'otal 0/50 (0%) 'otal 0/50 (0%) Mean 0% SD 0% 'otal 0/50 (0%) O/50 (0%) Mean 0%					
#All Organs: Histiocytic Sarcoma		0/50 (0%	6)		2/50 (4%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Mean 4%	SD 0%			
#All Organs: Malignant Lymphoma: Hist			S, or Undifferentiated Co								
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	· · · ·					
#All Organs: Mesothelioma: Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)		SD 0%	Total	0/50 (0%)					
≮All Organs: Mesothelioma: Benign, Ma	ignant, NOS	0/50 (0%				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#All Organs: Mesothelioma: Malignant		0/50 (0%				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	. ,					
#All Organs: Osteoma		0/50 (0%				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 149 Report Date: 11/11/2014				
			Male				Female (0%) 0%) Mean 0% SD 0% (0%) Mean 0% SD 0% (4%) Kean 0% Kean 0%				
#All Organs: Osteosarcoma		0/50 (0%)				. ,					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#All Organs: Osteosarcoma or Osteoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)					
*Adrenal Cortex: Adenoma		6/50 (12%)									
Overall Incidence	Total	6/50 (12%)	Mean 12%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Adrenal Medulla: Pheochromocytoma Benigi		0/49 (0%)		05.00	Tatal	()	M 00/	05.0%			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Adrenal Medulla: Pheochromocytoma Malign	ant	0/49 (0%)				2/50 (4%)					
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%			
*Adrenal Medulla: Pheochromocytoma: Benig		Malignant, NOS 0/49 (0%)									
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%			
*: Denominator is number of animals	s with tissues e	xamined microscopically									

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ence for Selected Contro Route: SKIN	rol Animal Groups		Page: 150 Report Date: 11/11/2014				
			Male	Male Male Mean 0% SD 0% Total C Mean 0% SD 0% Total C			Female				
#Blood Vessel: Hemangioma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%			
*Bone Marrow: Hemangioma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%			
*Bone Marrow: Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)				0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
		. ,				0/50 (0%)		0%			
*Bone Marrow: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Bone Marrow: Sarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%			
#Bone: Fibroma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

#Bone: Osteoma 0/50 (0%) 0/50 0/6%) 0/50 0% 0/50 0% 0 0 SD 0% Total 0/50 0% SD % Total 0/50 0% SD % SD % Total 0/50 0% SD % SD % Total 0/50 0% SD % % SD % SD % SD % SD % SD % % SD % % SD % % SD % SD % SD % % SD % % SD % % SD %	Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	s			ence for Selected Contr Route: SKIN	ol Animal Groups		: 11/11/2014	
Hemangiosarcoma Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD Bone: Osteoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD #Bone: Osteosarcoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD Osteosarcoma or Osteoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD Osteosarcoma or Osteoma 0/50 (0%) Mean 0% SD 0% Total 0/50 Mean 0% SD <th></th> <th></th> <th colspan="4">Male Femal</th> <th colspan="3">Cted Control Animal Groups Report Date: 11/ e: SKIN ACETONE Female // ACETONE Female % Total 0/50 (0%) 0/50 (0%) Mean 0% % Total 0/50 (0%) 0/50 (0%) Mean 0%</th>			Male Femal				Cted Control Animal Groups Report Date: 11/ e: SKIN ACETONE Female // ACETONE Female % Total 0/50 (0%) 0/50 (0%) Mean 0% % Total 0/50 (0%) 0/50 (0%) Mean 0%		
#Bone: Osteoma 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD Werall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD #Bone: Osteosarcoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD #Bone: Osteosarcoma or Osteoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD @Steosarcoma or Osteoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD @Osteosarcoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD @Osteosarcoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD @Steosarcoma			Vehicle: ACETONE Male Male 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% SD 0%		0/50 (0%)				
Osteoma 0/50 (0%) Mean 0% SD 0% Total 0/50 0% SD 0% SD </th <th>Overall Incidence</th> <th>Total</th> <th>0/50 (0%)</th> <th>Mean 0%</th> <th>SD 0%</th> <th>Total</th> <th>0/50 (0%)</th> <th>Mean 0%</th> <th>SD 0%</th>	Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
Overall Incidence Total 0/50 0% Mean 0% SD 0% Total 0/50 0% SD Mean 0% SD #Bone: Osteosarcoma 0/50 0% 0% 0/50 0%			0/50 (0%)				0/50 (0%)		
#Bone: 0/50 (0%) 0/50 (0%) 0/50 (0%) Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD #Bone: 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD #Bone: 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD #Bone: 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD % arcoma 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD % overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD % overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD *Brain: ************************************			0/50 (0%)				0/50 (0%)		SD 0%
#Bone: 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 0/50 SD	#Bone: Osteosarcoma		0/50 (0%)				0/50 (0%)		SD 0%
Osteosarcoma or Osteoma 0/50 (0%) 0/50 (0%) 0/50 (0%) Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD #Bone: 3arcoma 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% SD Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD *Brain: ''Brain: ''Brain: ''''''''''''''''''''''''''''''''''''		10tai	. ,		50 0%	TOLAI	0/50 (0%)	Mean 0%	50 0%
#Bone: Sarcoma 0/50 (0%) Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 'Brain:	Osteosarcoma or Osteoma			Magn 00/		Tatal		Maaa 00/	
Sarcoma 0/50 (0%) 0/50 (0%) Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD *Brain:	Jverall Incidence	l otal	0/50 (0%)	Mean 0%	SD 0%	l otal	0/50 (0%)	Mean 0%	SD 0%
Brain:			0/50 (0%)				0/50 (0%)		
*Brain:							()	Mean 0%	SD 0%
0/50 (0%) 0/50 (0%)	*Brain:								
	Overall Incidence	Total	. ,	Mean 0%	SD 0%	Total	· · ·	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ence for Selected Contr Route: SKIN	ol Animal Groups		Page: 152 Report Date: 11/11/2014				
			Male		NE Female Total 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% SD 0% 0% 0/49 (0%) 0% 0% 0%						
*Brain: Meningioma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	Male 0/50 (09) Mean 0% SD 0% Total 0/50 (09) Mean 2% SD 0% Total 0/50 (09)	· · · ·	Mean 0%	SD 0%				
*Brain:											
Meningioma: Benign, Malig	nant, NOS	- / / / /				- / /					
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%			
*Brain: Oligodendroglioma Maligna Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%			0/50 (0%)	Mean 0%	SD 0%			
*Brain: Oligodendroglioma, Glioma											
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	()	Mean 0%	SD 0%			
*Clitoral/Preputial Gland: Hemangioma		0/50 (0%)				0/49 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%			
*Clitoral/Preputial Gland: Hemangiosarcoma		0/50 (0%)				0/49 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONE	ol Animal Groups		Page: 153 Report Date: 11/11/2014				
			Male		Initial Groups Report Date: 11/11/2014 e: SKIN ACETONE Female 0/50 (0%) Mean 0% SD 0% % Total 0/50 (0%) % Total 5/50 (10%) % Yes Yes						
#Coagulating Gland: Granular Cell Tumor Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Moon 0%	SD 0%			
		0/30 (078)		30 0%	TOLAI	0/30 (078)					
#Coagulating Gland: Sarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Tatal	()	Maan 00/	SD 00/			
#Eye: Melanoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
#Harderian Gland: Adenoma Overall Incidence	Total	8/50 (16%) 8/50 (16%)	Mean 16%	SD 0%		5/50 (10%)	Mean 10%	SD 0%			
		0,00 (10,0)									
#Harderian Gland: Carcinoma		3/50 (6%)				2/50 (4%)					
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%		()					
#Harderian Gland: Carcinoma or Adenoma		11/50 (22%)				7/50 (14%)					
Overall Incidence	Total	11/50 (22%)	Mean 22%	SD 0%	Total	7/50 (14%)	Mean 14%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 154 Report Date: 1					
			Male				Female					
*Heart: Hemangiosarcoma		1/50 (2%)				0/50 (0%)						
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
#Intestine Large: Cecum: Adenoma		1/50 (2%)				0/50 (0%)						
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
#Intestine Large: Cecum: Carcinoma		0/50 (0%)				0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
#Intestine Large: Cecum: Carcinoma or Adenoma		1/50 (2%)				0/50 (0%)						
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
#Intestine Large: Cecum: Leiomyosarcoma		0/50 (0%)				0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
#Intestine Small: Duodenum: Adenoma		0/50 (0%)				0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 155 Report Date: 11/11/2014						
			Male	Mean 0% SD 0% Total 1/50 (2%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%)				Female		
#Intestine Small: Duodenum: Carcinoma		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total		Mean 2%	SD 0%		
#Intestine Small: Ileum: Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Ileum: Carcinoma		0/50 (0%)				0/50 (0%)	Marca 00/	05.0%		
Overall Incidence	Total	0/50 (0%)		SD 0%	l otal	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Carcinoma		2/50 (4%)				0/50 (0%)				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	()	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Leiomyosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		: 11/11/2014	
			Male			Female 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total 1/50 (2%) Mean 2% SD 0% Total 0/50 (0%) Mean 2% SD 0%		
#Intestine Small: Site Unspec Adenoma	ified:							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	SD 0%
#Intestine Small: Site Unspec Carcinoma	ified:	0/50 //0/)				4/50 (00/)		
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	· · /	Mean 2%	SD 0%
#Intestine Small: Site Unspec Carcinoma or Adenoma		2/50 (4%)				1/50 (2%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%		. ,	Mean 2%	SD 0%
#Intestine Small: Site Unspec Leiomyosarcoma	ified:	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total		Mean 0%	SD 0%
*Islets, Pancreatic: Adenoma		0/50 (0%)				2/49 (4%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/49 (4.08%)	Mean 4.08%	SD 0%
*Islets, Pancreatic: Carcinoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				logy Data Manageme nce for Selected Contr Route: SKIN Vehicle: ACETONI	ol Animal Groups		Page: 157 Report Date	e : 11/11/2014
			Male				Female	
*Islets, Pancreatic: Carcinoma or Adenoma		0/50 (0%)				2/49 (4%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/49 (4.08%)	Mean 4.08%	SD 0%
*Kidney: Pelvis and Transitior Carcinoma		u m: 0/48 (0%)				0/49 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Kidney: Pelvis and Transitior Carcinoma or Adenoma Overall Incidence			Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Adenoma		2/48 (4%)				0/49 (0%)		
Overall Incidence	Total	2/48 (4.17%)	Mean 4.17%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma		0/48 (0%)				0/49 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma		2/48 (4%)				0/49 (0%)		
Overall Incidence	Total	2/48 (4.17%)	Mean 4.17%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				blogy Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONE	ol Animal Groups		Page: 158 Report Dat	e: 11/11/2014
			Male				Female	
*Kidney: Renal Tubule: Hemangioma		0/48 (0%)				0/49 (0%)		05 av
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma		0/48 (0%)				0/49 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Liver: Hemangioma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
'Liver: Hemangiosarcoma Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
'Liver: Hepatoblastoma		5/50 (10%)				0/50 (0%)		
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Adenoma		34/50 (68%)				34/50 (68%)		
Overall Incidence	Total	34/50 (68%)	Mean 68%	SD 0%	Total	34/50 (68%)	Mean 68%	SD 0%

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			Male				Female	
*Liver: Hepatocellular Carcinoma Overall Incidence	Total	22/50 (44%) 22/50 (44%)	Mean 44%	SD 0%	Total	12/50 (24%) 12/50 (24%)	Mean 24%	SD 0%
*Liver: Hepatocellular Carcinoma c								
Overall Incidence	Total	26/50 (52%) 26/50 (52%)	Mean 52%	SD 0%	Total	12/50 (24%) 12/50 (24%)	Mean 24%	SD 0%
*Liver: Hepatocellular Carcinoma c Overall Incidence	or Hepatoce Total	Ilular Adenoma 37/50 (74%) 37/50 (74%)	Mean 74%	SD 0%	Total	37/50 (74%) 37/50 (74%)	Mean 74%	SD 0%
'Liver: Hepatocellular Carcinoma,						37/50 (74%)		
Overall Incidence	Total	38/50 (76%)	Mean 76%	SD 0%	Total	37/50 (74%)	Mean 74%	SD 0%
*Liver: Hepatocholangiocarcinoma		2/50 (4%)				0/50 (0%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Ito Cell Tumor Benign		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

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			Male				Female	
*Liver: Mast Cell Tumor Maligna	int	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Sarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar Add		1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%
*Lung: Alveolar/Bronchiolar Ca		12/50 (24%)				2/50 (4%)		
Overall Incidence	Total	12/50 (24%)	Mean 24%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
*Lung: Alveolar/Bronchiolar Car		13/50 (26%)		00.00%	T 1	5/50 (10%)	Maga 40%	CD 00/
Overall Incidence	Total	13/50 (26%)	Mean 26%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%
*Lung: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

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			Male				Female	
#Lymph Node, Mandibular: Mast Cell Tumor Malignant	Tatal	0/50 (0%)	Maar 00/	CD 00/	Tatal	0/50 (0%)	Maga 00/	CD 01/
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mediastinal: Mast Cell Tumor Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangiosarcoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Mammary Gland: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma, Ca						0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 162 Report Dat	e: 11/11/2014
			Male				Female	
#Mesentery: Hemangioma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Lipoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Sarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Nose: Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Nose: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Contract/Lab: All Laboratorio Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 163 Report Date	e: 11/11/2014
			Male				Female	
#Oral Cavity (Oral Mucosa, Papilloma Squamous or I								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinon	Tongue, Phary					0/50 (0%)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa		ynx, Tooth, Gingiva):		••••••	••••••			
Squamous Cell Carcinon Overall Incidence	na, Papilloma S Total	Squamous, or Papilloma 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Squamous Cell Carcinon Overall Incidence Oral Mucosa: Squamous Cell Carcinon	na, Papilloma S Total	Squamous, or Papilloma 0/50 (0%)		SD 0% SD 0%	Total	()	Mean 0% Mean 0%	SD 0%
Squamous Cell Carcinon Overall Incidence #Oral Mucosa: Squamous Cell Carcinon Overall Incidence	na, Papilloma S Total na	Squamous, or Papilloma 0/50 (0%) 0/50 (0%) 0/50 (0%)				0/50 (0%) 0/50 (0%) 0/50 (0%)		
Squamous Cell Carcinon Overall Incidence #Oral Mucosa: Squamous Cell Carcinon Overall Incidence *Ovary: Choriocarcinoma	na, Papilloma S Total na	Squamous, or Papilloma 0/50 (0%) 0/50 (0%) 0/50 (0%)				0/50 (0%)		
Squamous Cell Carcinon Overall Incidence #Oral Mucosa: Squamous Cell Carcinon Overall Incidence *Ovary:	na, Papilloma S Total na	Squamous, or Papilloma 0/50 (0%) 0/50 (0%) 0/50 (0%)			Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/47 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE		Page: 164 Report Date	e: 11/11/2014
	Male		Female	
*Ovary: Cystadenoma				
Overall Incidence	Total	1/47 (2%) 1/47 (2.13%)	Mean 2.13%	SD 0%
*Ovary: Granulosa Cell Tumor Benign				
Overall Incidence	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS				
Overall Incidence	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Ovary: Hemangioma				
Overall Incidence	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Ovary: Hemangiosarcoma				
Overall Incidence	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Ovary: Luteoma				
Overall Incidence	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*: Denominator is number of animals with tissues examined microscopically				

Length of Study: CHRONIC *Ovary: Sarcoma Overall Incidence *Ovary: Tubulostromal Adenoma Overall Incidence *Ovary: Yolk Sac Carcinoma Overall Incidence *Pancreas: Carcinoma Overall Incidence Total *Pancreas: Carcinoma or Adenoma		Male				Female	
Sarcoma Overall Incidence *Ovary: Tubulostromal Adenoma Overall Incidence *Ovary: Yolk Sac Carcinoma Overall Incidence *Pancreas: Carcinoma Overall Incidence Total *Pancreas:							
Overall Incidence *Ovary: Tubulostromal Adenoma Overall Incidence *Ovary: Yolk Sac Carcinoma Overall Incidence *Pancreas: Carcinoma Overall Incidence Total *Pancreas:							
Tubulostromal Adenoma Overall Incidence *Ovary: Yolk Sac Carcinoma Overall Incidence *Pancreas: Carcinoma Overall Incidence Total *Pancreas:				Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Ovary: Yolk Sac Carcinoma Overall Incidence *Pancreas: Carcinoma Overall Incidence Total *Pancreas:							
*Ovary: Yolk Sac Carcinoma Overall Incidence *Pancreas: Carcinoma Overall Incidence Total *Pancreas:				Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Pancreas: Carcinoma Overall Incidence Total *Pancreas:							
*Pancreas: Carcinoma Overall Incidence Total *Pancreas:				Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Pancreas:	1/50 (2%)				0/49 (0%)		
*Pancreas:	1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
Overall Incidence Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Distalis or Unspecified Adenoma							
Overall Incidence Total	0/50 (0%)	Mean 0%	SD 0%	Total	7/49 (14%) 7/49 (14.29%)	Mean 14.29%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				blogy Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONI	ol Animal Groups		Page: 166 Report Date	:: 11/11/2014
			Male				Female	
*Pituitary Gland: Pars Distali Carcinoma or Adenoma	s or Unspecif	fied Site: 0/50 (0%)				7/49 (14%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	7/49 (14.29%)	Mean 14.29%	SD 0%
*Pituitary Gland: Pars Interm Adenoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Interm Carcinoma or Adenoma Overall Incidence	edia: Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Salivary Glands: Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 167 Report Dat	e: 11/11/2014
			Male				Female	
*Salivary Glands: Myxoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or Rh Overall Incidence		0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Sarcoma		0/50 (0%)				2/50 (4%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
#Skin: Basal Cell Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Contract/Lab: All Laborato Species: MICE Strain: B6C3F1 Length of Study: CHRONI				blogy Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONE	ol Animal Groups		Page: 168 Report Dat	e: 11/11/2014
			Male				Female	
#Skin: Basal Cell Carcinoma o	r Basosquamous	s Tumor (malignant or No 0/50 (0%)	0S)			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin:								
Basal Cell Carcinoma, E NOS), or Trichoepithelic	Basal Cell Adeno	ma, Basosquamous Tun	nor (benign, maligna	ant or				
NOS), or menoepiment	Jilla	0/50 (0%)				0/50 (0%)		
		, ,	Maran 00/	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
Overall Incidence	Total	0/50 (0%)	Mean 0%					
	ioma, Carcinoma	, Basosq. Tumor (M or E	3), Basal Cell Adeno			1/50 (2%)		
¥Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, S	ooma, Carcinoma q Papilloma, Kera Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 1/50 (2%) 1/50 (2%)	3), Basal Cell Adeno ithelioma Mean 2%	ma , SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Skin: Basal or Sq. Cell Carcin	ooma, Carcinoma q Papilloma, Kera Total	, Basosq. Tumor (M or E atoacanthoma, Trichoep 1/50 (2%) 1/50 (2%)	3), Basal Cell Adeno ithelioma Mean 2%	ma, SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
*Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, S Overall Incidence *Skin: Fibroma, Fibrosarcoma Overall Incidence	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total	a, Basosq. Tumor (M or E atoacanthoma, Trichoep 1/50 (2%) 1/50 (2%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 2% brous Histiocytoma Mean 0%	ma, SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, S Overall Incidence #Skin: Fibroma, Fibrosarcoma Overall Incidence	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo	a, Basosq. Tumor (M or E atoacanthoma, Trichoep 1/50 (2%) 1/50 (2%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 2% brous Histiocytoma Mean 0%	ma, SD 0%	Total	1/50 (2%) 1/50 (2%) 4/50 (8%) 4/50 (8%)	Mean 2%	
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, S Overall Incidence #Skin: Fibroma, Fibrosarcoma Overall Incidence	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total	a, Basosq. Tumor (M or E atoacanthoma, Trichoep 1/50 (2%) 1/50 (2%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 2% brous Histiocytoma Mean 0%	ma, SD 0%	Total	1/50 (2%) 1/50 (2%) 4/50 (8%) 4/50 (8%) 3/50 (6%)	Mean 2%	
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, S Dverall Incidence #Skin: Fibroma, Fibrosarcoma Dverall Incidence #Skin: Fibrosarcoma Dverall Incidence	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total Total	a, Basosq. Tumor (M or E atoacanthoma, Trichoep 1/50 (2%) 1/50 (2%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 2% brous Histiocytoma Mean 0% Mean 0%	ma, SD 0% SD 0% SD 0%	Total Total Total	1/50 (2%) 1/50 (2%) 4/50 (8%) 4/50 (8%) 3/50 (6%) 3/50 (6%)	Mean 2% Mean 8% Mean 6%	SD 0%
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, S Overall Incidence #Skin: Fibroma, Fibrosarcoma Overall Incidence #Skin: Fibrosarcoma	noma, Carcinoma q Papilloma, Kera Total , Sarcoma, Myxo Total Total	a, Basosq. Tumor (M or E atoacanthoma, Trichoep 1/50 (2%) 1/50 (2%) ma, Myxosarcoma, or Fi 0/50 (0%) 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 2% brous Histiocytoma Mean 0% Mean 0%	ma, SD 0% SD 0% SD 0%	Total Total Total	1/50 (2%) 1/50 (2%) 4/50 (8%) 4/50 (8%) 3/50 (6%) 3/50 (6%)	Mean 2% Mean 8% Mean 6%	SD 0% SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 169 Report Date: 11/11/2014					
			Male		Female			
#Skin: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Granular Cell Tumor Benigr		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Hemangioma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma		2/50 (4%)				2/50 (4%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
#Skin: Keratoacanthoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Lipoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 170 Report Date: 11/11/2014						
			Male			Female			
#Skin: Liposarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Mast Cell Tumor Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skin: Melanoma Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
#Skin: Melanoma Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Neural Crest Tumor		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	5		Page: 171 Report Date: 11/11/2014					
			Male				Female	
#Skin: Neurofibroma or Schwann	· ·	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or Sch						0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Neuro Overall Incidence				SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Osteosarcoma	Tatal	0/50 (0%)	M 0%	CD 00/	Tatal	0/50 (0%)	M 00/	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Sarcoma		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Schwannoma Benign		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 172 Report Date: 11/11/2014					
			Male				Female	
#Skin: Schwannoma Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcinoma, or Carcinoma	Basal Cell (Carcinoma, Basosquamo 0/50 (0%)	us Tumor (malignar	nt or NOS),		0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Skin: Squamous Cell Papilloma c		1/50 (2%)				1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Squamous Cell Papilloma,	Papilloma, S	quamous Cell Carcinoma 1/50 (2%)	a or Keratoacantho	ma		1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Squamous Cell Papilloma,						1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
*: Denominator is number of animals #: Denominator is number of animal		xamined microscopically						

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 173 Report Date: 11/11/2014						
			Male			Female			
#Spinal Cord: Hemangiosarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Spleen: Hemangiosarcoma		4/49 (8%)				0/49 (0%)			
Overall Incidence	Total	4/49 (8.16%)	Mean 8.16%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%	
*Spleen: Mast Cell Tumor Malignant Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Stomach, Forestomach: Squamous Cell Carcinoma						2/50 (4%)			
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	
#Stomach, Forestomach: Squamous Cell Papilloma									
Overall Incidence	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 174 Report Date: 11/11/2014					
			Male			Female			
#Stomach, Glandular: Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Stomach, Glandular: Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Stomach, Glandular: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Testes: Adenoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%					
	10tai	1/30 (276)		30 0%					
*Testes: Hemangioma Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%					
	1 Ulai	0/50 (0%)		0% עט					
*Thymus: Neoplasm NOS		0/48 (0%)				0/47 (0%)			
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%	
*: Denominator is number of animals	with tissues e								

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 175 Report Date: 11/11/2014					
				Female				
*Thymus: Thymoma Benign		0/48 (0%)				0/47 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant		0/48 (0%)				1/47 (2%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	1/47 (2.13%)	Mean 2.13%	SD 0%
*Thymus: Thymoma: Benign, Malignar Overall Incidence	n t, NOS Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%	Total	1/47 (2%) 1/47 (2.13%)	Mean 2.13%	SD 0%
*Thyroid Gland: C-Cell: Adenoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%

Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 176 Report Date: 11/11/2014					
			Male		Female			
Thyroid Gland: Follicular Cell: Adenoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
Thyroid Gland: Follicular Cell: Carcinoma or Adenoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
FTissue NOS: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)		SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
tTissue NOS: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Fongue: Squamous Cell Carcinoma or	r Papilloma	a Squamous 0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
fTongue: Squamous Cell Papilloma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 177 Report Date: 11/11/2014						
			Male			Female				
#Tooth: Odontoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
		0/30 (078)				0/00 (0/8)				
#Urethra: Hemangiosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Urinary Bladder: Hemangiosarcoma		0/47 (0%)				0/48 (0%)				
Overall Incidence	Total	0/47 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%		
#Uterus: Adenoma						0/50 (0%)				
Overall Incidence					Total	0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Carcinoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Hemangioma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1	Toxicology Data Management Sys Tumor Incidence for Selected Control Anir Route: SKIN Vehicle: ACETONE		Page: 178 Report Date: 11/11/2014		
Length of Study: CHRONIC					
	Male			Female	
#Uterus:					
Hemangiosarcoma			0/50 (0%)		
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Leiomyoma			0/50 (00()		
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Polyp Stromal					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Sarcoma					
Overall Incidence		Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Uterus:					
Sarcoma Stromal					
Overall Incidence		Total	0/50 (0%)	Maan Old	SD 00/
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Sarcoma Stromal or Polyp Stromal			0/50 (00()		
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
			. ,		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 179 Report Date: 11/11/2014				
			Male				Female	
#Zymbal's Gland: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL

	Study Summary											
Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical					
					Male							
Battelle Columbus Laboratory	059903204	09/21/04	729	50(1)	37(698)	56.4	Pyrogallol					
					Female							
Battelle Columbus Laboratory	059903204	09/20/04	729	50(1)	33(675)	69.3	Pyrogallol					

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	s			ology Data Manageme nce for Selected Contr Route: SKIN Vehicle: ETHANOI	ol Animal Groups		e: 11/11/2014	
			Male				Female	
#All Organs: Benign Tumors Overall Incidence	Total	42/50 (84%) 42/50 (84%)	Mean 84%	SD 0%	Total	34/50 (68%) 34/50 (68%)	Mean 68%	SD 0%
#All Organs:		()				()		
Malignant Tumors Overall Incidence	Total	33/50 (66%) 33/50 (66%)	Mean 66%	SD 0%	Total	34/50 (68%) 34/50 (68%)	Mean 68%	SD 0%
#All Organs: Malignant and Benign Tun		47/50 (94%)				42/50 (84%)		
Overall Incidence	Total	47/50 (94%)	Mean 94%	SD 0%	Total	42/50 (84%)	Mean 84%	SD 0%
#All Organs: Hemangioma		1/50 (2%)				1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#All Organs: Hemangiosarcoma		5/50 (10%)				6/50 (12%)		
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	6/50 (12%)	Mean 12%	SD 0%
#All Organs: Hemangiosarcoma or Hen								
Overall Incidence *: Denominator is number of anima	Total		Mean 12%	SD 0%	Total	7/50 (14%) 7/50 (14%)	Mean 14%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratorie: Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	5			ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 182 Report Date: 11/11/2014				
			Male				Female				
#All Organs: Histiocytic Sarcoma		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#All Organs: Malignant Lymphoma: His						13/50 (26%)					
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	13/50 (26%)	Mean 26%	SD 0%			
#All Organs: Mesothelioma: Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
#All Organs: Mesothelioma: Benign, Ma	llignant, NOS	0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#All Organs: Mesothelioma: Malignant		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#All Organs: Osteoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 183 Report Date: 11/11/2014				
			Male			Female 0/50 (0%) Mean 0% SD 0% 0tal 1/50 (2%) Mean 0% SD 0% 0tal 1/50 (2%) Mean 2% SD 0% 0tal 2/50 (4%) Mean 4% SD 0% 0tal 2/50 (4%) Mean 4% SD 0% 0tal 0/50 (0%) Mean 0% SD 0%					
#All Organs: Osteosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#All Organs: Osteosarcoma or Osteoma	1	0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Adrenal Cortex: Adenoma		9/50 (18%)				1/50 (2%)					
Overall Incidence	Total	9/50 (18%)	Mean 18%	SD 0%	Total	· · /	Mean 2%	SD 0%			
*Adrenal Medulla: Pheochromocytoma Benig	n	0/50 (0%)				2/50 (4%)	M	05.0%			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%			
*Adrenal Medulla: Pheochromocytoma Maligi	nant	0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Adrenal Medulla: Pheochromocytoma: Benig		Malignant, NOS 0/50 (0%)				2/50 (4%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%			
*: Denominator is number of animal	s with tissues e	xamined microscopically									

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups	Page: 184 Report Date: 11/11/2014				
			Male				Female			
#Blood Vessel: Hemangioma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
	10181	0/30 (0%)		30 0%		0/30 (0%)		30 0%		
Bone Marrow: Hemangioma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
Bone Marrow: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%		
Bone Marrow: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
Bone Marrow: Sarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Bone: Fibroma										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		

#Bone: 0/5 Hemangiosarcoma 0/5 Overall Incidence Total 0/50 #Bone: 0 0/5 Overall Incidence Total 0/50 #Bone: 0 0/50 Øverall Incidence Total 0/50 Øverall Incidence Total 0/50 #Bone: 0/50 0/50 Øverall Incidence Total 0/50 Øverall Incidence Total 0/50 Øverall Incidence Total 0/50	(0%) 50 (0%) (0%)	Mean 0% Mean 0%	SD 0% SD 0%	Total Total	3/50 (6%) 3/50 (6%) 0/50 (0%) 0/50 (0%)	Female Mean 6% Mean 0%	SD 0% SD 0%
Hemangiosarcoma 0/5 Overall Incidence Total 0/50 (#Bone: 0/5 0/5 Overall Incidence Total 0/50 (#Bone: 0/5 0/5 Overall Incidence Total 0/50 (#Bone: 0/5 0/5 Overall Incidence Total 0/50 (#Bone: 0/50 (0/5 Osteosarcoma or Osteoma 0/50 (#Bone: 0/50 (0/50 ((0%) 50 (0%) (0%)	Mean 0%	SD 0%	Total	3/50 (6%) Mean 6% SD 0% Total 3/50 (6%) Mean 6% SD 0% Total 0/50 (0%) Mean 0% SD 0%		
#Bone: Osteoma 0/5 Overall Incidence Total 0/50 (#Bone: 0/5 Overall Incidence Total 0/50 (#Bone: Osteosarcoma or Osteoma 0/5	50 (0%) (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Osteoma 0/5 Overall Incidence #Bone: Osteosarcoma 0/5 Overall Incidence Total 0/50 (105 0/5 0/5 0/50 (105 0/5 0/5 0/5 0/50 (105 0/5 0/5 0/5 0/5 0/5 0/5 0/5 0	(0%)				0/50 (0%)		
Overall Incidence Total 0/50 (#Bone: 0/5 Osteosarcoma 0/5 Overall Incidence Total 0/50 (#Bone: 0steosarcoma or Osteoma 0/5	(0%)				0/50 (0%)		
#Bone: Osteosarcoma O/5 Overall Incidence Total 0/50 (#Bone: Osteosarcoma or Osteoma 0/5						• • • • • • • • • • • • • • • • • • • •	
#Bone: Osteosarcoma or Osteoma 0/5	, ,	Maga 00/	SD 0%	Tatal	. ,	Maga 00/	
Osteosarcoma or Osteoma 0/5	(0%)	Mean 0%	SD 0%	i otai	0/50 (0%)	Mean 0%	SD 0%
	· · ·	Maga 0%		Tatal	. ,	Maga 00/	
	(0%)	Mean 0%	SD 0%	I Otal	0/50 (0%)	Mean 0%	SD 0%
#Bone: Sarcoma 0/5	60 (0%)				0/50 (0%)		
Overall Incidence Total 0/50 (· · ·	Mean 0%	SD 0%		· · /	Mean 0%	SD 0%
*Brain: Granular Cell Tumor Benign 0/5					0/50 (0%)		
Overall Incidence Total 0/50 (, ,	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 186 Report Date: 11/11/2014				
			Male			0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% 0/49 (0%) 0% 0% No					
*Brain: Meningioma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Moon 0%	SD 00/			
		0/50 (0%)		30 0%		. ,		50 0%			
*Brain: Meningioma: Benign, Malig	nant, NOS	0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Mean 0%	SD 0%			
*Brain: Oligodendroglioma Maligna Overall Incidence		0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Mean 0%	SD 0%			
*Brain: Oligodendroglioma, Glioma		·····									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Clitoral/Preputial Gland: Hemangioma		1/50 (2%)				0/49 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%			
*Clitoral/Preputial Gland: Hemangiosarcoma		1/50 (2%)				0/49 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				blogy Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANOI	ol Animal Groups		e: 11/11/2014	
			Male		ANOL Female 0/50 (0%) Total 0/50 (0%) 0/50 (0%) Total 0/50 (0%) Mean 0%			
#Coagulating Gland: Granular Cell Tumor		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		(<i>)</i>	Mean 0%	SD 0%
#Coagulating Gland: Sarcoma		0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		()	Mean 0%	SD 0%
#Eye: Melanoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Mean 0%	SD 0%
#Harderian Gland: Adenoma		6/50 (12%)				. ,		
Overall Incidence	Total	6/50 (12%)	Mean 12%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Harderian Gland: Carcinoma		2/50 (4%)				2/50 (4%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
#Harderian Gland: Carcinoma or Adenoma		8/50 (16%)				3/50 (6%)		
Overall Incidence	Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 188 Report Dat	e: 11/11/2014
			Male		0/50 (0%) Total 0/50 (0%) Mean 0% 0/50 (0%) Total 0/50 (0%) Mean 0%			
*Heart: Hemangiosarcoma	T . 1	0/50 (0%)				· · ·		25. 22
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	l otal	0/50 (0%)	Mean 0%	SD 0%
#Intestine Large: Cecum: Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		· · ·	Mean 0%	SD 0%
#Intestine Large: Cecum: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		· · /	Moon 0%	SD 0%
		. ,				. ,		<u> </u>
#Intestine Large: Cecum: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		()	Mean 0%	SD 0%
#Intestine Large: Cecum: Leiomyosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANOI	ol Animal Groups		t e: 11/11/2014	
			Male				Female	
#Intestine Small: Duodenum: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma		1/50 (2%)				1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Intestine Small: Jejunum: Leiomyosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups		Page: 190 Report Dat	e: 11/11/2014
			Male			1/50 (2%) 1/50 (2%) Mean 2% SD 0% 0/50 (0%) 0/50 (0%) Mean 0% SD 0%		
#Intestine Small: Site Unspec Adenoma	ified:	0/50 (00/.)				0/50 (09/)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	· · ·	Mean 0%	SD 0%
#Intestine Small: Site Unspec Carcinoma	ified:	4/50 (20/)				4/50 (20/)		
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Intestine Small: Site Unspec Carcinoma or Adenoma		1/50 (2%)				1/50 (2%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	. ,	Mean 2%	SD 0%
#Intestine Small: Site Unspec Leiomyosarcoma	ified:	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Adenoma		1/50 (2%)						
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	· · /	Mean 2%	SD 0%
*Islets, Pancreatic: Carcinoma		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Toxicology Data Management SystemPage: 19Tumor Incidence for Selected Control Animal GroupsReport DRoute: SKINVehicle: ETHANOL						
			Male				Female			
*Islets, Pancreatic: Carcinoma or Adenoma		2/50 (4%)				1/50 (2%)				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
*Kidney: Pelvis and Transition Carcinoma		m: 0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Kidney: Pelvis and Transition Carcinoma or Adenoma Overall Incidence			Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Kidney: Renal Tubule: Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Kidney: Renal Tubule: Carcinoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Kidney: Renal Tubule: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

tilling og Dansel Technolo			Male			1/50 (2%) Fotal 1/50 (2%) 0/50 (0%) Fotal 0/50 (0%) SD 0% 1/50 (2%) 1/50 (2%)		
*Kidney: Renal Tubule: Hemangioma		0/50 (0%)				. ,		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total			
*Liver: Hemangioma	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		
*Liver: Hemangiosarcoma Overall Incidence T	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	Total	· · /	Mean 2%	SD 0%
'Liver: Hepatoblastoma		4/50 (8%)				1/50 (2%)		
	Total	4/50 (8%)	Mean 8%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
*Liver: Hepatocellular Adenoma		39/50 (78%)				30/50 (60%)		
Overall Incidence	Total	39/50 (78%)	Mean 78%	SD 0%	Total	30/50 (60%)	Mean 60%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicc Tumor Incide		Page: 193 Report Date: 11/11/2014				
			Male			Female			
*Liver: Hepatocellular Carcinoma Overall Incidence	Total	20/50 (40%) 20/50 (40%)	Mean 40%	SD 0%	Total	17/50 (34%) 17/50 (34%)	Mean 34%	SD 0%	
*Liver: Hepatocellular Carcinoma c									
Overall Incidence	Total	21/50 (42%) 21/50 (42%)	Mean 42%	SD 0%	Total	18/50 (36%) 18/50 (36%)	Mean 36%	SD 0%	
*Liver: Hepatocellular Carcinoma o Overall Incidence	Total	43/50 (86%) 43/50 (86%)	Mean 86%	SD 0%	Total	35/50 (70%) 35/50 (70%)	Mean 70%	SD 0%	
*Liver: Hepatocellular Carcinoma,						35/50 (70%)			
Overall Incidence	Total	43/50 (86%)	Mean 86%	SD 0%	Total	35/50 (70%)	Mean 70%	SD 0%	
*Liver: Hepatocholangiocarcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Liver: Ito Cell Tumor Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO		Page: 194 Report Date: 11/11/2014			
			Male			Female			
*Liver: Mast Cell Tumor Malign	ant	0/50 (0%)			0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Liver: Sarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Lung: Alveolar/Bronchiolar Ac		12/50 (24%)				2/50 (4%)			
Overall Incidence	Total	12/50 (24%)	Mean 24%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	
*Lung: Alveolar/Bronchiolar Ca	arcinoma	4/50 (8%)				2/50 (4%)			
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	
*Lung: Alveolar/Bronchiolar Ca	arcinoma or Alve	eolar/Bronchiolar Adenor 15/50 (30%)	ma			4/50 (8%)			
Overall Incidence	Total	15/50 (30%)	Mean 30%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%	
*Lung: Hemangiosarcoma									
		0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)		SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxico Tumor Incide		Page: 195 Report Date: 11/11/2014				
			Male			Female			
#Lymph Node, Mandibular: Mast Cell Tumor Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Lymph Node, Mediastinal: Mast Cell Tumor Malignant	:	0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Lymph Node, Mesenteric: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Mammary Gland: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Mammary Gland: Fibroma, Fibroadenoma, C		Adenoma							
		0/50 (0%)				0/50 (0%)			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 196 Report Date: 11/11/2014					
			Male			Female			
#Mesentery: Hemangioma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Mesentery: Hemangiosarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Mesentery: Lipoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Mesentery:		0/30 (0 %)		30 0%	Totai	0/30 (078)	Wear 0 %	30 0%	
Sarcoma Dverall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
Nose: Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
^t Nose: Hemangiosarcoma		0/50 (0%)							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Managemen nce for Selected Contro Route: SKIN Vehicle: ETHANOL		Page: 197 Report Date: 11/11/2014			
			Male			Female			
#Oral Cavity (Oral Mucosa, Papilloma Squamous or I			ooth, Gingiva): 0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinom	Tongue, Phary					0/50 (00/)			
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
Squamous Cell Carcinom Overall Incidence	Tongue, Phary na, Papilloma S Total	nx, Tooth, Gingiva): quamous, or Papilloma 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinom Overall Incidence	Tongue, Phary na, Papilloma S Total	nx, Tooth, Gingiva): quamous, or Papilloma 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		SD 0%	
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinom Overall Incidence #Oral Mucosa: Squamous Cell Carcinom Overall Incidence	Tongue, Phary na, Papilloma S Total na Total	nx, Tooth, Gingiva): quamous, or Papilloma 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0% SD 0%	Total	0/50 (0%)		SD 0% SD 0%	
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinom Overall Incidence #Oral Mucosa: Squamous Cell Carcinom Overall Incidence	Tongue, Phary na, Papilloma S Total na Total	nx, Tooth, Gingiva): quamous, or Papilloma 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0% SD 0%	Total	0/50 (0%) 0/50 (0%) 0/50 (0%)			
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinom Overall Incidence #Oral Mucosa: Squamous Cell Carcinom Overall Incidence *Ovary: Choriocarcinoma Overall Incidence	Tongue, Phary na, Papilloma S Total na Total	nx, Tooth, Gingiva): quamous, or Papilloma 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0% SD 0%	Total Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%		
#Oral Cavity (Oral Mucosa, Squamous Cell Carcinom Overall Incidence #Oral Mucosa: Squamous Cell Carcinom Overall Incidence *Ovary:	Tongue, Phary na, Papilloma S Total na Total	nx, Tooth, Gingiva): quamous, or Papilloma 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0% SD 0%	Total Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	Mean 0% Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL			Page: 198 Report Date: 11/11/2014		
	Male		Female			
*Ovary: Cystadenoma			2/50 (4%)			
Overall Incidence		Total	2/50 (4%)	Mean 4%	SD 0%	
*Ovary: Granulosa Cell Tumor Benign			1/50 (2%)			
Overall Incidence		Total	1/50 (2%)	Mean 2%	SD 0%	
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS			1/50 (2%)			
Overall Incidence		Total	1/50 (2%)	Mean 2%	SD 0%	
*Ovary: Hemangioma			1/50 (2%)			
Overall Incidence		Total	1/50 (2%)	Mean 2%	SD 0%	
*Ovary: Hemangiosarcoma						
Overall Incidence		Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
*Ovary: Luteoma						
			0/50 (0%)	••	05 . 647	
Overall Incidence *: Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals percensied		Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL					Page: 199 Report Date: 11/11/2014		
			Male		Female					
*Ovary: Sarcoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Tubulostromal Adenoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Yolk Sac Carcinoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Pancreas: Carcinoma										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Pancreas: Carcinoma or Adenoma										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Pituitary Gland: Pars Distali Adenoma		fied Site:								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	4/50 (8%) 4/50 (8%)	Mean 8%	SD 0%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	5		Toxic Tumor Incide		Page: 200 Report Date: 11/11/2014					
			Male			Female				
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 0/50 (0%) 4/50 (8%)										
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	4/50 (8%) 4/50 (8%)	Mean 8%	SD 0%		
*Pituitary Gland: Pars Interm Adenoma										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Pituitary Gland: Pars Interm Carcinoma or Adenoma Overall Incidence	edia: Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Salivary Glands: Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Salivary Glands: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Salivary Glands: Hemangiosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxic Tumor Incide		Page: 201 Report Date: 11/11/2014				
			Male			Female			
*Salivary Glands: Myxoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Hemangiosarcoma		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Skeletal Muscle: Rhabdomyosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Rhabdomyosarcoma or Rh Overall Incidence	abdomyoma Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Sarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Basal Cell Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Contract/Lab: All Laborator Species: MICE Strain: B6C3F1 Length of Study: CHRON			Toxico Tumor Incide		Page: 202 Report Date: 11/11/2014			
			Male				Female	
#Skin: Basal Cell Carcinoma o	r Basosquamous	s Tumor (malignant or No 0/50 (0%)	OS)			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma, E NOS), or Trichoepithelic	Basal Cell Adeno oma	ma, Basosquamous Tun 0/50 (0%)	nor (benign, maligna	ant or		0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
		·····						
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, Se	oma, Carcinoma	, Basosq. Tumor (M or E	3), Basal Cell Adeno		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal or Sq. Cell Carcin	oma, Carcinoma q Papilloma, Ker Total	a, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0%	ma, SD 0%		0/50 (0%)		
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence #Skin: Fibroma, Fibrosarcoma	oma, Carcinoma q Papilloma, Ker Total	n, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi	3), Basal Cell Adeno ithelioma Mean 0%	ma, SD 0%		0/50 (0%) 0/50 (0%)		
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, So Overall Incidence #Skin:	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo	n, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 1/50 (2%)	B), Basal Cell Adeno ithelioma Mean 0% ibrous Histiocytoma	ma, SD 0%	Total	0/50 (0%) 0/50 (0%) 1/50 (2%)	Mean 0%	SD 0%
#Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, Se Overall Incidence #Skin: Fibroma, Fibrosarcoma Overall Incidence #Skin:	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo	a, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 1/50 (2%) 1/50 (2%) 0/50 (0%)	3), Basal Cell Adeno ithelioma Mean 0% brous Histiocytoma Mean 2% Mean 0%	ma, SD 0% SD 0% SD 0%	Total	0/50 (0%) 0/50 (0%) 1/50 (2%) 1/50 (2%)	Mean 0%	SD 0%
 #Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, Se Overall Incidence #Skin: Fibroma, Fibrosarcoma, Overall Incidence #Skin: Fibrosarcoma 	ooma, Carcinoma q Papilloma, Ker Total , Sarcoma, Myxo Total Total	a, Basosq. Tumor (M or E atoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) ma, Myxosarcoma, or Fi 1/50 (2%) 1/50 (2%) 0/50 (0%) 0/50 (0%)	B), Basal Cell Adeno ithelioma Mean 0% brous Histiocytoma Mean 2% Mean 0%	ma, SD 0% SD 0% SD 0%	Total Total	0/50 (0%) 0/50 (0%) 1/50 (2%) 1/50 (2%) 1/50 (2%)	Mean 0% Mean 2%	SD 0% SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxic Tumor Incide		Page: 203 Report Date: 11/11/2014				
			Male			Female			
#Skin: Fibrous Histiocytoma		1/50 (2%) 0/50 (0							
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Granular Cell Tumor Benigr		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Hemangioma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Hemangiosarcoma	-	1/50 (2%)				1/50 (2%)	M - 66/	65 <i>ant</i>	
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Skin: Keratoacanthoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Lipoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 204 Report Date: 11/11/2014					
			Male			Female			
#Skin: Liposarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Mast Cell Tumor Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Mast Cell Tumor Malignant Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skin: Melanoma Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skin: Melanoma Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Neural Crest Tumor		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Nov2014 Contract/Lab: All Laboratorie Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	S			ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	Page: 205 Report Date: 11/11/2014			
			Male				Female	
#Skin: Neurofibroma or Schwani	-	0/50 (0%)	Marca 68/	05.00	Tabl	1/50 (2%)	Marca 00/	05.0%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Neurofibrosarcoma or Sci	hwannoma (m	alignant or NOS) 0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Neur Overall Incidence				SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Skin: Osteosarcoma	T . ()	0/50 (0%)	M 00/	05.00	Taal	0/50 (0%)	M 00/	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Sarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Benign		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	ol Animal Groups	Page: 206 Report Dat	06 Date: 11/11/2014		
			Male			Female			
#Skin: Schwannoma Malignant		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Carcinoma, or Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Papilloma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Papilloma c						0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Papilloma,						0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Skin: Squamous Cell Papilloma,		r Keratoacanthoma 0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*: Denominator is number of animals #: Denominator is number of animal		xamined microscopically							

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANOI	rol Animal Groups		Page: 207 Report Date: 11/11/2014		
			Male		Female				
#Spinal Cord: Hemangiosarcoma		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
*Spleen: Hemangiosarcoma		1/50 (2%)				1/50 (2%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
*Spleen: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
		0,00 (0,0)							
#Stomach, Forestomach: Squamous Cell Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Stomach, Forestomach: Squamous Cell Carcinoma o	⊳r Papilloma	a Squamous 1/50 (2%)				1/50 (2%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Stomach, Forestomach: Squamous Cell Papilloma									
		1/50 (2%)				1/50 (2%)			

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxice Tumor Incide		Page: 208 Report Date: 11/11/2014			
			Male	· · · · ·			Female	
#Stomach, Glandular: Adenoma	T	0/50 (0%)		OD 00%	T / 1	0/50 (0%)	M - 00/	25. 02
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Testes: Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
*Testes: Hemangioma		0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%				
*Thymus: Neoplasm NOS		0/48 (0%)				0/50 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*: Denominator is number of animals	s with tissues e							

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxic Tumor Incide		Page: 209 Report Date: 11/11/2014			
			Male			<u>.</u>	Female	
*Thymus: Thymoma Benign Overall Incidence	Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant		0/48 (0%)				0/50 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malignar Overall Incidence		0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Adenoma	-	0/50 (0%)		05.0%	-	0/50 (0%)		05.00
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ETHANO	11/11/2014			
			Male	<u> </u>			Female	
*Thyroid Gland: Follicular Cell Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: Follicular Cell Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Tissue NOS: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Tissue NOS: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Tongue: Squamous Cell Carcinoma o	r Papilloma	1 Squamous 0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Papilloma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	5	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL						Page: 211 Report Date: 11/11/2014		
			Male		Female					
#Tooth: Odontoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
	10tai	1/30 (278)		30 0%		0/50 (078)		50 0%		
#Urethra: Hemangiosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Urinary Bladder: Hemangiosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Adenoma						0/50 (0%)				
Overall Incidence					Total	0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Carcinoma										
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		
#Uterus: Hemangioma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		

Tumor Incidence for Selected Con Route: SKIN	Page: 212 Report Dat	e: 11/11/2014				
Male		Female				
		0/50 (00/)				
	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
		0/50 (00()				
	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
	T	3/50 (6%)	M 00/	00.004		
		()		SD 0%		
		0/50 (0%)				
	Total	0/50 (0%)	Mean 0%	SD 0%		
		0/50 (00/)				
	Total		Mean 0%	SD 0%		
		3/50 (6%)				
	Total	3/50 (6%)	Mean 6%	SD 0%		
	Tumor Incidence for Selected Con Route: SKIN Vehicle: ETHANG	Vehicle: ETHANOL Male Total Total Total Total Total Total	Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL Male 0/50 (0%) Total 0/50 (0%) 3/50 (0%) 0/50 (0%) 3/50 (0%) 0/50 (0%)	Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ETHANOL Report Date Male Female 0/50 (0%) Mean 0% Total 0/50 (0%) 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% Total 3/50 (6%) Mean 0% Total 0/50 (0%) Mean 0% Total 3/50 (6%) Mean 0% Total 0/50 (0%) Mean 0% Total 3/50 (6%) Mean 0% Total 0/50 (0%) Mean 0% Total 3/50 (6%) Mean 0% 3/50 (6%) Mean 0%		

Version: Nov2014 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 213 Report Date: 11/11/2014					
			Male				Female	
#Zymbal's Gland: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%