

NTP Historical Controls Report

By Route and Vehicle

MICE

August 2016

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	052000604	04/03/07	730	50(1)	26(663)	55.6	Indole-3-carbinol					
Southern Research Institute	052020904	02/25/08	729	50(1)	29(657)	55.3	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]					
Battelle Columbus Laboratory	052032004	08/07/07	730	50(1)	33(687)	55.8	Tetrabromobisphenol A					
					Female							
Battelle Columbus Laboratory	052000604	04/02/07	729	50(5)	33(702)	66.6	Indole-3-carbinol					
Southern Research Institute	052020904	02/25/08	731	50(5)	33(679)	57.7	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]					
Battelle Columbus Laboratory	052032004	08/06/07	729	50(5)	40(711)	66.5	Tetrabromobisphenol A					

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1			Page: 5 Report Date: 08/03/2016					
Length of Study: CHRONIC			Male		Female			
#All Organs: Benign Tumors		00/50 (000/)	00/50 (00%)	00/50 (70%)			04/50 (40%)	00/50 (440())
Overall Incidence	Total	33/50 (66%) 101/150 (67.33%)	30/50 (60%) Mean 67.33%	38/50 (76%) SD 8.08%	Total	17/50 (34%) 63/150 (42%)	24/50 (48%) Mean 42%	22/50 (44%) SD 7.21%
#All Organs: Malignant Tumors								
Overall Incidence	Total	27/50 (54%) 75/150 (50%)	27/50 (54%) Mean 50%	21/50 (42%) SD 6.93%	Total	19/50 (38%) 53/150 (35.33%)	16/50 (32%) Mean 35.33%	18/50 (36%) SD 3.06%
#All Organs: Malignant and Benign Tumo								
Overall Incidence	Total	48/50 (96%) 135/150 (90%)	40/50 (80%) Mean 90%	47/50 (94%) SD 8.72%	Total	30/50 (60%) 96/150 (64%)	34/50 (68%) Mean 64%	32/50 (64%) SD 4%
#All Organs: Hemangioma								
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%
#All Organs: Hemangiosarcoma								
Overall Incidence	Total	4/50 (8%) 6/150 (4%)	1/50 (2%) Mean 4%	1/50 (2%) SD 3.46%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#All Organs: Hemangiosarcoma or Hema	ngioma	4/50 (001)	4/50 (001)	0/50 (00/)		4/50 (00%)	4/50 /00/)	0/50 (40())
Overall Incidence	Total	4/50 (8%) 8/150 (5.33%)	1/50 (2%) Mean 5.33%	3/50 (6%) SD 3.06%	Total	1/50 (2%) 4/150 (2.67%)	1/50 (2%) Mean 2.67%	2/50 (4%) SD 1.15%

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

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 6 Report Date: 08/03/2016			
			Male			Female		
#All Organs: Histiocytic Sarcoma		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	3/150 (2%)	Mean 2%	SD 0%
#All Organs: Malignant Lymphoma: Histic	ocytic, Lyn	nphocytic, Mixed, NOS, or 3/50 (6%)		Type 3/50 (6%)		6/50 (12%)	7/50 (14%)	9/50 (18%)
Overall Incidence	Total	11/150 (7.33%)	Mean 7.33%	SD 2.31%	Total	22/150 (14.67%)	Mean 14.67%	SD 3.06%
#All Organs: Mesothelioma: Benign, Mali Overall Incidence	gnant, NOS Total		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%
#All Organs: Mesothelioma: 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%
#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%
#All Organs: Osteosarcoma or 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%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	3		Page: 7 Report Date: 08/03/2016					
			Male	Female				
*Adrenal Cortex: Adenoma		0/50 (0%)	0/50 (0%)	1/50 (2%)		2/49 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/149 (1.34%)	Mean 1.36%	SD 2.36%
*Adrenal Medulla: Pheochromocytoma Benig		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/148 (0.68%)	Mean 0.67%	SD 1.15%
*Adrenal Medulla: Pheochromocytoma: Benig Overall Incidence			1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/49 (0%) 1/148 (0.68%)	0/49 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Blood Vessel: Hemangioma		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%
#Blood Vessel: 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 Marrow: Hemangiosarcoma		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (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%

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

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			Male				Female	
*Bone Marrow: Mast Cell Tumor Malignar	nt	0/50 (0%)	0/50 (0%)	0/50 (0	%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
*Bone Marrow: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	%) Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%
#Bone: Fibroma			0/50 (00)	0/50 /2	~^^	0/50 /00/1	0/50 (00/)	4/50 (00)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0 SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Bone: Osteoma								
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%
#Bone: Osteosarcoma or Osteom	a							
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%
#Bone: 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%

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016
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	
Brain: Granular Cell Tumor Ben	ign							
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Brain: Meningioma 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%
Brain: Meningioma: Benign, Ma	lignant, NOS	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: Granular Cell Tumor								
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%
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%

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 10 Report Date: 08/03/2016								
			Male				Female				
#Harderian Gland: Adenoma		6/50 (12%)	5/50 (10%)	7/50 (14%)		3/50 (6%)	9/50 (18%)	2/50 (4%)			
Overall Incidence	Total	18/150 (12%)	Mean 12%	SD 2%	Total	14/150 (9.33%)	Mean 9.33%	SD 7.57%			
#Harderian Gland: Carcinoma											
o	T	1/50 (2%)	1/50 (2%)	1/50 (2%)	T ()	0/50 (0%)	1/50 (2%)	1/50 (2%)			
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%			
#Harderian Gland: Carcinoma or Adenoma											
Overall Incidence	Total	7/50 (14%)	6/50 (12%)	8/50 (16%) SD 2%	Total	3/50 (6%) 16/150 (10.67%)	10/50 (20%)	3/50 (6%) SD 8.08%			
	Total	21/150 (14%)	Mean 14%	5D 2%	Total	10/150 (10.07%)	Mean 10.67%	50 8.08%			
*Heart: 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%			
						. ,					
#Intestine Large: Cecum: Carcinoma											
Overell Insidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tetel	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 or Adenoma		0/50 (001)	0/50 (00/)	0/50 (00/)		0/50 (051)	0/50 /00/()	2/52 (22/)			
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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 11 Report Date: 08/03/2016						
			Male					Female	
#Intestine Large: Cecum: Leiomyosarcoma		0/50 (0%)	0/50 (0%)	0/50	(09/)		1/50 (2%)	0/50 (00/)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	(0%)	Total	1/150 (0.67%)	0/50 (0%) Mean 0.67%	SD 1.15%
#Intestine Small: Duodenum: Adenoma									
Overell Incidence	Total	2/50 (4%)	0/50 (0%)		(0%)	Total	0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%		Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Intestine Small: Duodenum: Carcinoma									
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%
#Intestine Small: Duodenum: Polyp Adenomatous		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									
0	Tatal	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%
#Intestine Small: Ileum: Carcinoma				- /	<i>(</i>)				
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%

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

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			Male				Female	
#Intestine Small: Jejunum Adenoma	:							
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) 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%
#Intestine Small: Jejunum 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%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Jejunum Leiomyosarcoma	:	-/ /		- ()				
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%
fIntestine Small: Site Unsj Adenoma								
Overall Incidence	Total	3/50 (6%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	1/50 (2%) SD 3.06%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
fIntestine Small: Site Uns 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%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Small: Site Uns Carcinoma or Adenoma	pecified:							
Overall Incidence	Total	3/50 (6%) 5/150 (3.33%)	0/50 (0%) Mean 3.33%	2/50 (4%) SD 3.06%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider	Page: 13 Report Da	te: 08/03/2016			
			Male				Female	
#Intestine Small: Site Unspec Leiomyosarcoma	ified:							
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%
#Intestine Small: Site Unspec Polyp Adenomatous		0/50 (00/)				0/50 (00%)	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%
*Islets, Pancreatic: Adenoma		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Islets, Pancreatic: 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%
*Islets, Pancreatic: Carcinoma or Adenoma		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Kidney: Pelvis and Transitio 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%

Version: Aug2016
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					
*Kidney: Pelvis and Transitional Epithelium: 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%				
Kidney: Renal Tubule: 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%				
*Kidney: Renal Tubule: 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%				
Kidney: Renal Tubule: Carcinoma or Adenoma		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%				
		· · ·										
*Liver: Cholangiocarcinoma												
		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%				
'Liver: Hemangioma							0/50 (0%)	0/50 (00/)				
•••••	Tatal	0/50 (0%)	0/50 (0%)	2/50 (4%)	T . (.)	0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	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: GAVAGE Vehicle: CORN OIL

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			Male				Female	
*Liver: Hemangiosarcoma		4/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	4/50 (8%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	0/50 (0%) SD 4.62%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
'Liver: Hepatoblastoma								
Overall Incidence	Total	3/50 (6%) 6/150 (4%)	1/50 (2%) Mean 4%	2/50 (4%) SD 2%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Hepatocellular Adenoma		00/50 (50%)					5/50 (4004)	40/50 (000/)
Overall Incidence	Total	26/50 (52%) 81/150 (54%)	23/50 (46%) Mean 54%	32/50 (64%) SD 9.17%	Total	7/50 (14%) 25/150 (16.67%)	5/50 (10%) Mean 16.67%	13/50 (26%) SD 8.33%
Liver: Hepatocellular Carcinoma								
Overall Incidence	Total	12/50 (24%) 41/150 (27.33%)	18/50 (36%) Mean 27.33%	11/50 (22%) SD 7.57%	Total	6/50 (12%) 12/150 (8%)	4/50 (8%) Mean 8%	2/50 (4%) SD 4%
Liver: Hepatocellular Carcinoma								
Overall Incidence	Total	15/50 (30%) 45/150 (30%)	18/50 (36%) Mean 30%	12/50 (24%) SD 6%	Total	6/50 (12%) 12/150 (8%)	4/50 (8%) Mean 8%	2/50 (4%) SD 4%
Liver: Hepatocellular Carcinoma	or Hepatoc	ellular Adenoma						
Overall Incidence	Total	35/50 (70%) 105/150 (70%)	31/50 (62%) Mean 70%	39/50 (78%) SD 8%	Total	12/50 (24%) 35/150 (23.33%)	8/50 (16%) Mean 23.33%	15/50 (30%) SD 7.02%

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 Contract/Lab: All Laborator Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Management a nce for Selected Control A Route: GAVAGE Vehicle: CORN OIL		Page: 16 Report Da	te: 08/03/2016	
			Male				Female	
*Liver: Hepatocellular Carcinom	na, Hepatocell	lular Adenoma, or Hepatol 36/50 (72%)	blastoma 31/50 (62%)	39/50 (78%)		12/50 (24%)	8/50 (16%)	15/50 (30%)
Overall Incidence	Total	106/150 (70.67%)	Mean 70.67%	SD 8.08%	Total	35/150 (23.33%)	Mean 23.33%	SD 7.02%
*Liver: Hepatocholangiocarcino	oma	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%
*Liver: Mast Cell Tumor Maligna Overall Incidence		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		·····				·····		
Overall Incidence	Total	4/50 (8%) 15/150 (10%)	5/50 (10%) Mean 10%	6/50 (12%) SD 2%	Total	1/50 (2%) 7/150 (4.67%)	1/50 (2%) Mean 4.67%	5/50 (10%) SD 4.62%
*Lung: Alveolar/Bronchiolar Ca								
Overall Incidence	Total	4/50 (8%) 13/150 (8.67%)	5/50 (10%) Mean 8.67%	4/50 (8%) SD 1.15%	Total	2/50 (4%) 3/150 (2%)	0/50 (0%) Mean 2%	1/50 (2%) SD 2%
*Lung: Alveolar/Bronchiolar Ca		veolar/Bronchiolar Adeno	ma					
Overall Incidence	Total	8/50 (16%) 28/150 (18.67%)	10/50 (20%) Mean 18.67%	10/50 (20%) SD 2.31%	Total	3/50 (6%) 10/150 (6.67%)	1/50 (2%) Mean 6.67%	6/50 (12%) SD 5.03%

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

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			Male				Female	
Lung: 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%
≭Lymph Node: 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%
£Lymph Node, Mandibular: 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%
Lymph Node, Mediastinal: Mast Cell Tumor Malignant				0/50 (0)/)		0/50 (0)()	0/50 (0%)	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%
Lymph Node, Mesenteric: 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%
Lymph Node, Mesenteric: Hemangiosarcoma		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%

*: 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	
#Mammary Gland: 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%
#Mammary Gland: 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%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Mammary Gland: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%/)	0/50 (0%)		1/50 (20%)	1/50 (20/.)	0/50 (0%/)
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%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Mammary Gland: Fibroma, Fibroadenoma								
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%
Mammary Gland: Fibroma, Fibroadenoma	, 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%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
#Mesentery: 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%

*: 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: Hemangiosarcoma		0/50 (0%)	0/50 (0)()	0/50 /00/)		0/50 (00/1)	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%
#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%
'Nose: 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: Polyp								
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%
Oral Cavity (Oral Mucos Papilloma Squamous c	a, Tongue, Phar	ynx, Tooth, Gingiva):						
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%
#Oral Cavity (Oral Mucos Squamous Cell Carcine	a, Tongue, Phar							
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%

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicolo Tumor Incideno	Page: 20 Report Da	te: 08/03/2016			
			Male				Female	
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma,			0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%
#Oral Mucosa: Squamous Cell Carcinoma		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%
*Ovary: Cystadenocarcinoma						0/50 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence					Total	0/148 (0%)	Mean 0%	SD 0%
⁺Ovary: Cystadenoma						1/50 (2%)	2/48 (4%)	2/50 (4%)
Overall Incidence					Total	5/148 (3.38%)	Mean 3.39%	SD 1.21%
*Ovary: Granulosa Cell Tumor Benig	gn							
Overall Incidence					Total	0/50 (0%) 1/148 (0.68%)	1/48 (2%) Mean 0.69%	0/50 (0%) SD 1.2%
*Ovary: Granulosa Cell Tumor Malig	jnant					0/50 /00/1	o/40 (00/)	0/50 (00/)
Overall Incidence					Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
*: Denominator is number of animals		examined microscopically						

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Group Route: GAVAGE Vehicle: CORN OIL	S	Page: 21 Report Da	t e: 08/03/2016
	Male		Female	
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS		0/50 (0%)	1/48 (2%)	0/50 (0%)
Overall Incidence	Total	1/148 (0.68%)	Mean 0.69%	SD 1.2%
'Ovary: Granulosa-Theca Tumor Malignant				
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
'Ovary: Hemangiosarcoma				
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
Ovary: Luteoma		0(50 (00/))	o/40 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
Ovary: Sarcoma				
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
'Ovary: Tubulostromal Adenoma				
Overall Incidence	Total	1/50 (2%) 1/148 (0.68%)	0/48 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
: Denominator is number of animals with tissues examined microscopica	ally	·····		

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicolo Tumor Incideno	Page: 22 Report Da	te: 08/03/2016					
			Male			Female				
*Ovary: Yolk Sac Carcinoma						0/50 (00/)	0/40 /00/)	0/50 /00/)		
Overall Incidence					Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%		
Parathyroid Gland: Adenoma										
Overall Incidence	Total	0/48 (0%) 0/141 (0%)	0/48 (0%) Mean 0%	0/45 (0 ⁴ SD 0%	%) Total	0/43 (0%) 0/121 (0%)	0/44 (0%) Mean 0%	0/34 (0%) SD 0%		
*Pituitary Gland: Pars Distalis Adenoma		fied Site:				·····				
Overall Incidence	Total	0/50 (0%) 0/147 (0%)	0/47 (0%) Mean 0%	0/50 (0 ⁴ SD 0%	Total	3/49 (6%) 9/149 (6.04%)	5/50 (10%) Mean 6.04%	1/50 (2%) SD 4%		
*Pituitary Gland: Pars Distalis Carcinoma										
Overall Incidence	Total	0/50 (0%) 0/147 (0%)	0/47 (0%) Mean 0%	0/50 (0 ⁴ SD 0%	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
Pituitary Gland: Pars Distalis Carcinoma or Adenoma										
Overall Incidence	Total	0/50 (0%) 0/147 (0%)	0/47 (0%) Mean 0%	0/50 (0º SD 0%	%) Total	3/49 (6%) 9/149 (6.04%)	5/50 (10%) Mean 6.04%	1/50 (2%) SD 4%		
Pituitary Gland: Pars Interme Adenoma										
Overall Incidence	Total	0/50 (0%) 0/147 (0%)	0/47 (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%		

Version: Aug2016 Contract/Lab: All Laboratorie Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	'S		Toxicol Tumor Incider	Page: 23 Report Date: 08/03/2016				
			Male			Female		
*Pituitary Gland: Pars Interr Carcinoma	nedia:	0/50 (0%)	0/47 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Interr Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/147 (0%)	0/47 (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%
*Pituitary Gland: Pars Interr Schwannoma Malignant		0/50 (0%)	0/47 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
*Salivary Glands: Adenoma							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	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Salivary Glands: 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%
*Salivary Glands: Carcinoma or Adenoma								
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 24 Report Da	te: 08/03/2016			
			Male		Female			
*Salivary Glands: 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%
*Salivary Glands: Myxosarcoma		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%
#Seminal Vesicle: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: 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%
#Skeletal Muscle: Rhabdomyosarcoma		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%
#Skeletal Muscle: Rhabdomyosarcoma or Rha		a 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%

#: Denominator is number of animals necropsied

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

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			Male				Female					
#Skeletal Muscle: Sarcoma												
	T	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												
		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%				
	·	Is Tumor (malignant or No 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%				
#Skin: Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence		oma, Basosquamous Tun 0/50 (0%) 0/150 (0%)	nor (benign, malignar 0/50 (0%) Mean 0%	nt or 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%				
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci	lioma Total inoma, Carcinom	0/50 (0%) 0/150 (0%) a, Basosq. Tumor (M or E ratoacanthoma, Trichoep	0/50 (0%) Mean 0%), Basal Cell Adenom	0/50 (0%) SD 0%	Total	1/150 (0.67 [°] %) [′]	Mean 0.67%	SD 1.15%				
Basal Cell Carcinoma, NOS), or Trichoepithel Overall Incidence #Skin: Basal or Sq. Cell Carci Adenoma, Papilloma, S	lioma Total inoma, Carcinom	0/50 (0%) 0/150 (0%) a, Basosq. Tumor (M or E ratoacanthoma, Trichoep 0/50 (0%)	0/50 (0%) Mean 0%), Basal Cell Adenom	0/50 (0%) SD 0%	Total	1/150 (0.67%) ´ 0/50 (0%)	()	()				
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%) 0/150 (0%) a, Basosq. Tumor (M or E ratoacanthoma, Trichoep	0/50 (0%) Mean 0%), Basal Cell Adenom ithelioma 0/50 (0%) Mean 0.67%	0/50 (0%) SD 0% na, 1/50 (2%) SD 1.15%	Total	1/150 (0.67%) ´ 0/50 (0%) 1/150 (0.67%)	Mean 0.67% 0/50 (0%) Mean 0.67%	SD 1.15%				
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%) 0/150 (0%) a, Basosq. Tumor (M or E ratoacanthoma, Trichoep 0/50 (0%) 1/150 (0.67%) oma, Myxosarcoma, or Fi	0/50 (0%) Mean 0%), Basal Cell Adenom ithelioma 0/50 (0%) Mean 0.67% brous Histiocytoma	0/50 (0%) SD 0% na, 1/50 (2%) SD 1.15%	Total	1/150 (0.67%) ´ 0/50 (0%) 1/150 (0.67%)	Mean 0.67% 0/50 (0%) Mean 0.67%	SD 1.15% 1/50 (2%) SD 1.15%				
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%) 0/150 (0%) a, Basosq. Tumor (M or E ratoacanthoma, Trichoep 0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0%), Basal Cell Adenom ithelioma 0/50 (0%) Mean 0.67%	0/50 (0%) SD 0% na, 1/50 (2%) SD 1.15%	Total	1/150 (0.67%) ´ 0/50 (0%) 1/150 (0.67%)	Mean 0.67% 0/50 (0%) Mean 0.67%	SD 1.15%				

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1			Page: 26 Report Date: 08/03/2016						
Length of Study: CHRONIC			Male		Female				
#Skin: Fibrosarcoma									
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	SD 1.15%		Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%
#Skin: Fibrosarcoma, Sarcoma, My									
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 SD 1.15%	(2%)	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%
#Skin: Fibrous Histiocytoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Hemangioma									
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%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Skin: Hemangiosarcoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	SD 0%	(0%)	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Skin: Keratoacanthoma		0/50 (00)					0/50 (0%)		0/50 (221)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	SD 1.15%		Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

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

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

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			Male				Female	
#Skin: Lipoma		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skin: Melanoma 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: Neural Crest Tumor								
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 S	Schwannoma (r	nalignant or NOS)						
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:		Schwannoma (benign, ma	alignant or NOS)					
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: Sarcoma								
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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Inciden	Page: 28 Report Da	te: 08/03/2016			
			Male		Female			
#Skin: Schwannoma Malignant								
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: Squamous Cell Carcinoma, or Carcinoma	, Basal Cell (
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: Squamous Cell Papilloma 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: Squamous Cell Papilloma o	or Papilloma	·····	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,	Papilloma, S	Squamous Cell Carcinom 0/50 (0%)	a or Keratoacanthom 0/50 (0%)	a 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:		or Keratoacanthoma						
Squamous Cell Papilloma,		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)

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

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			Male				Female	
Spleen: Hemangiosarcoma		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Spleen: 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%
Stomach, Forestomach: Squamous Cell Carcinoma		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%
Stomach, Forestomach: Squamous Cell Carcinoma		na Squamous						0/50 (00/)
Overall Incidence	Total	2/50 (4%) 9/150 (6%)	2/50 (4%) Mean 6%	5/50 (10%) SD 3.46%	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	1/50 (2%) 8/150 (5.33%)	2/50 (4%) Mean 5.33%	5/50 (10%) SD 4.16%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
						.,		
Stomach, Glandular: Carcinoma		0/50 (00/)	0/50 (0%)	0/50 (00/)		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

				Page: 30 Report Da	te: 08/03/2016		
		Male				Female	
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
	0/50 (0%)	2/50 (4%)					
Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%				
Total	0/49 (0%) 0/136 (0%)	0/40 (0%) Mean 0%	0/47 (0%) SD 0%	Total	0/49 (0%) 0/147 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
	1/49 (2%)	0/40 (0%)	0/47 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)
Total	1/136 (0.74%)	Mean 0.68%	SD 1.18%	Total	0/147 (0%)	Mean 0%	SD 0%
	0/49 (0%)				0/49 (0%)	0/48 (0%)	0/50 (0%)
Total	0/136 (0%)	Mean 0%	SD 0%	Total	0/147 (0%)	Mean 0%	SD 0%
nt, NOS	1/49 (2%)	0/40 (0%)	0/47 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)
Total	1/136 (0.74%)	Mean 0.68%	()	Total	0/147 (0%)	Mean 0%	SD 0%
	Total Total Total Total nt, NOS	Total 0/150 (0%) 0/50 (0%) Total 2/150 (1.33%) 0/49 (0%) Total 0/136 (0%) Total 1/49 (2%) Total 1/136 (0.74%) Total 0/136 (0%) Total 0/136 (0%) Total 1/136 (0.74%)	Male Male 0/50 (0%) 0/50 (0%) Total 0/150 (0%) 0/50 (0%) 2/50 (4%) Total 0/50 (1.33%) Mean 1.33% Mean 1.33% Total 0/136 (0%) Total 0/40 (0%) Total 0/136 (0%) Mean 0% Mean 0% Total 1/136 (0.74%) Mean 0.68% 0/40 (0%) Total 0/136 (0%) Mean 0% Mean 0% Total 1/136 (0%) Mean 0% Mean 0% Total 0/136 (0%)	Tumor Incidence for Selected Control A Route: GAVAGE Vehicle: CORN OIL Male 0/50 0% 0/50 0% 0/50 0% Total 0/150 0% 0/50 0% SD 0% Total 0/150 0% 2/50 (4%) 0/50 0%) Total 0/50 0% 2/50 (4%) 0/50 0%) Total 0/130 0% 2/50 (4%) 0/50 0%) Total 0/136 0% 0/40 0% SD 2.31% Total 0/136 0% 0/40 0% SD 0% Total 0/136 0% 0/40 0% SD 1.18% Total 1/136 0.74% Mean 0.68% SD 1.18% Mean 0% SD 0% Mean 0% SD 0% Model 0/136 0% Mean 0% SD 0%	Vehicle: CORN OIL Male 0/50 0/% 0/50 0% Total 0/150 0% 0/50 0% Total 0/150 0% 2/50 (4%) 0/50 (0%) Total 0/50 0% 2/50 (4%) 0/50 (0%) Total 2/150 (1.33%) Mean 1.33% SD 2.31% Total Total 0/136 0% 0/40 (0%) 0/47 (0%) Total 0/136 0% 0/40 (0%) 0/47 (0%) Total 1/136 (0.74%) Mean 0.68% SD 1.18% Total 1/136 (0.74%) Mean 0.68% SD 0.0% Total nt, NOS 1/49 (2%) 0/40 (0%) 0/47 (0%)	Tumor Incidence for Selected Control Animal Groups Route: CAVAGE Vehicle: CORN OIL Male Male 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/150 (0%) 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Total 0/50 (0%) 0/150 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Total 2/50 (4%) 0/50 (0%) Mean 1.33% SD 2.31% 0/49 (0%) 0/49 (0%) 1/102 (1.33%) 0/40 (0%) 0/47 (0%) Mean 0.68% 0/47 (0%) SD 0% 0/49 (0%) 0/147 (0%) 1/136 (0.74%) 0/40 (0%) 0/47 (0%) Mean 0.68% 0/47 (0%) SD 0% 0/49 (0%) 0/147 (0%) 1/136 (0.74%) 0/40 (0%) 0/47 (0%) Mean 0.68% 0/47 (0%) SD 0% 0/49 (0%) 0/147 (0%) 1/49 (2%) 0/40 (0%) 0/40 (0%) 0/47 (0%) 0/49 (0%) 0/147 (0%) 0/49 (0%) 0/147 (0%)	Tumor Incidence for Selected Control Animal Groups Route: GAVAGE Vehicle: CORN OIL Report Da Male Female 0/50 Mean 0% Mean 0% D 2/150 1.33% Mean 1.33% SD 2.31% 0/49 0/49 0/60 Mean 0% Mean 0%

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

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			Male				Female	
*Thyroid Gland: C-Cell: Adenoma		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%
'Thyroid Gland: C-Cell: 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%
Thyroid Gland: C-Cell: 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%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Thyroid Gland: Follicular Cell Adenoma	:							
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Thyroid Gland: Follicular Cell 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	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
#Tongue: Squamous Cell Carcinoma c			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%

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016
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				
#Tongue: Squamous Cell Papilloma										
Overell Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	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%		
≭Tooth: Odontoma										
	Tatal	0/50 (0%)	0/50 (0%)	2/50 (4%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Urethra: Hemangiosarcoma		0/50 (09/)	0/50 (09/)	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%		
				30 0%	10tai	0/150 (0%)		JU 0%		
Urinary Bladder: Hemangiosarcoma		0/50 (09/)	0/50 (0%)	0/50 (00/)			0/40 (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%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%		
		()								
#Uterus: Adenoma										
						0/50 (0%)	1/50 (2%)	0/50 (0%)		
Overall Incidence					Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
≇Uterus: Granular Cell Tumor Benign										
_						0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence					Total	0/150 (0%)	Mean 0%	SD 0%		

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE	Toxicology Data Management System Tumor Incidence for Selected Control Animal Group Route: GAVAGE	S	Page: 33 Report Date: 08/03/2016		
Species. Mice Strain: B6C3F1	Vehicle: CORN OIL				
Length of Study: CHRONIC					
	Male		Female		
#Uterus:					
Hemangioma		0/50 (00/)	(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: Hemangiosarcoma					
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Uterus: Leiomyoma					
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Uterus: Polyp Stromal					
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Uterus: Sarcoma Stromal					
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%	
		, , , , , , , , , , , , , , , , , , ,			
#Uterus: Sarcoma Stromal or Polyp Stromal					
		0/50 (0%)	0/50 (0%)	2/50 (4%)	
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				logy Data Management nce for Selected Control / Route: GAVAGE Vehicle: CORN OIL	Page: 34 Report Date: 08/03/2016			
			Male				Female	
#Zymbal's Gland: Carcinoma		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%
#Zymbal's Gland: 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%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

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

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	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: Aug2016 Contract/Lab: All Laboratorie Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	25		Page: 36 Report Date: 08/03/2016					
			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 Tu	mors	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 He		7/50 (14%)				2/50 (4%)		
Overall Incidence	Total	7/50 (14%)	Mean 14%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 37 Report Date: 08/03/2016				
			Male	·							
#All Organs: Histiocytic Sarcoma		0/50 (0%)				· · /					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		. ,	Mean 0%	SD 0%			
#All Organs: Malignant Lymphoma: Hist											
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%		. ,	Mean 14%	SD 0%			
#All Organs: Mesothelioma: Benign, Mal Overall Incidence	ignant, NOS Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
#All Organs: Mesothelioma: Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)		SD 0%			
#All Organs: Osteoma		0/50 (0%)									
Overall Incidence	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%)	Mean 0%	SD 0%			

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 38 Report Date: 08/03/2016				
			Male				Female	
*Adrenal Cortex: Adenoma Overall Incidence	Total	1/49 (2%) 1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Benig Overall Incidence	n , Complex Total	, Malignant, NOS 0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
#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%
#Blood Vessel: 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 Marrow: 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%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	i			ology Data Manageme ence for Selected Contro Route: GAVAGE Vehicle: WATER	-		Page: 39 Report Date: 08/03/20				
			Male Female 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% Mean 0% 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% Mean 0% 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0%								
*Bone Marrow: Mast Cell Tumor Malignant											
Overall Incidence	Total					()	Mean 0%	SD 0%			
*Bone Marrow: Sarcoma											
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%			
#Bone: Fibroma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total					()	Mean 0%	SD 0%			
#Bone: Osteoma											
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%			
#Bone: Osteosarcoma or Osteoma						0/50 (0%)					
Overall Incidence	Total	0/50 (0%)				0/50 (0%)	Mean 0%	SD 0%			
#Bone: 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%			

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER			Page: 40 Report Date: 08/03/2				
			Male		Image: Maximum line Report Date: 08/03/2016 Female Image: Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%						
*Brain: Granular Cell Tumor Benig	n	0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		, ,	Mean 0%	SD 0%			
*Brain: Meningioma Malignant		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)					
*Brain: Meningioma: Benign, Maliç Overall Incidence		0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)					
#Coagulating Gland: Granular Cell Tumor Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%			
#Coagulating Gland:						. ,					
Sarcoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		0/50 (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%			

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 41 Report Dat	e: 08/03/2016	
			Male				Female		
#Harderian Gland: Adenoma Overall Incidence	Total	7/50 (14%) 7/50 (14%)	Mean 14%	SD 0%	Total	2/50 (4%) 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%	
*Heart: 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%	
#Intestine Large: Cecum: Carcinoma		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%	
#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%	

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 42 Report Date: 08/03/2016							
			Male				Female			
#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%		
#Intestine Small: Duodenum: 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: Duodenum: Polyp Adenomatous		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%)	Mean 0%	SD 0%	Total	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%		

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 43 Report Dat	e: 08/03/2016
			Male			Female $0/50$ (0%) Mean 0% SD 0% al $0/50$ (0%) Mean 2% SD 0% al $0/50$ (0%) Mean 0% SD 0% al $0/50$ (0%) Mean 0% SD 0% al $0/50$ (0%) Mean 0% SD 0% $0/50$ (0%) Mean 0% SD 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	. ,	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 Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 2%	SD 0%
#Intestine Small: Site Unspeci Adenoma	fied:	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%
#Intestine Small: Site Unspeci Carcinoma								
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	()	Mean 0%	SD 0%
#Intestine Small: Site Unspeci 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%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	3			ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	rol Animal Groups		Page: 44 Report Date: 08/03/2016 Female				
			Male		Female 1/50 (2%) Total 1/50 (2%) Mean 2% SD 0% 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% 1/50 (2%) Mean 0% Total 1/50 (2%) Mean 2% SD 0% 0/50 (0%) Mean 2% 0/50 (0%) Mean 2% 0/50 (0%) Mean 2% 0/50 (0%) Mean 0% 0/50 (0%) Mean 0%						
#Intestine Small: Site Unspe Leiomyosarcoma	cified:	0/50 (00/)				(50 (00))					
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		1/50 (2%)	Mean 2%	SD 0%			
#Intestine Small: Site Unspe Polyp Adenomatous		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		0/50 (0%)					
'Islets, Pancreatic: Adenoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		1/50 (2%)					
Islets, Pancreatic: Carcinoma Overall Incidence		1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
Islets, Pancreatic: Carcinoma or Adenoma		. ,									
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%		1/50 (2%)					
Kidney: Pelvis and Transitio Carcinoma		m:									
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: Aug2016 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: 45 Report Dat	e: 08/03/2016		
			Male		Female 0/50 (0%) Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%					
*Kidney: Pelvis and Transitional Epithelium: Carcinoma or Adenoma 0/50 (0%) 0/50 (0%)										
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%		()	Mean 0%	SD 0%		
*Kidney: Renal Tubule: Adenoma		1/50 (2%)								
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%		0/50 (0%)	Mean 0%	SD 0%		
*Kidney: Renal Tubule: Carcinoma Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%		0/50 (0%)				
*Kidney: Renal Tubule: Carcinoma or Adenoma Overall Incidence	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	Total	. ,	Mean 0%	SD 0%		
*Liver: Cholangiocarcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	. ,	Mean 0%	SD 0%		
						· · /				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		Page: 46 Report Dat				
			Male		Female 1/50 (2%) 0% Total 1/50 (2%) Mean 2% S 0% Total 0/50 (0%) Mean 0% S 0% Total 0/50 (0%) Mean 0% S 0% Total 12/50 (24%) Mean 24% S 5/50 (10%) 5/50 (10%) Mean 24% S						
*Liver: Hemangiosarcoma		3/50 (6%)		1/50 (2%)	4/50 (09/)						
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	()	Mean 2%	SD 0%			
*Liver: Hepatoblastoma		2/50 (4%)									
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%			Mean 0%	SD 0%			
'Liver: Hepatocellular Adenoma		35/50 (70%)				. ,					
Overall Incidence	Total	35/50 (70%)	Mean 70%	SD 0%	Total	12/50 (24%)	Mean 24%	SD 0%			
Liver: Hepatocellular Carcinoma		15/50 (30%)				5/50 (10%)					
Overall Incidence	Total	15/50 (30%)	Mean 30%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%			
'Liver: Hepatocellular Carcinoma o	r Hepatobla	astoma 17/50 (34%)				5/50 (10%)					
Overall Incidence	Total	17/50 (34%)	Mean 34%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%			
*Liver: Hepatocellular Carcinoma o		Ilular Adenoma 40/50 (80%)				14/50 (28%)					
Overall Incidence	Total	40/50 (80%)	Mean 80%	SD 0%	Total	14/50 (28%)	Mean 28%	SD 0%			
*: Denominator is number of animals	with tissues e										

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	3			ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER	-		e: 08/03/2016		
			Male				Female		
*Liver: Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma 40/50 (80%) 14/50 (28%)									
Overall Incidence	Total	40/50 (80%)	Mean 80%	SD 0%	Total	14/50 (28%)	Mean 28%	SD 0%	
*Liver: Hepatocholangiocarcinom		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: 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%	
Lung: Alveolar/Bronchiolar Aden		12/50 (24%)				5/50 (10%)			
Overall Incidence	Total	12/50 (24%)	Mean 24%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%	
ʿLung: Alveolar/Bronchiolar Carci		2/50 (4%)				1/50 (2%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
*Lung: Alveolar/Bronchiolar Carci						6/50 (12%)			
Overall Incidence	Total	14/50 (28%)	Mean 28%	SD 0%	Total	6/50 (12%)	Mean 12%	SD 0%	
*: Denominator is number of anima	ls with tissues e	examined microscopically							

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: GAVAGE Vehicle: WATER			:: 08/03/2016	
			Male				Female	
*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%
#Lymph Node: 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%
#Lymph Node, Mandibular: 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%
#Lymph Node, Mediastinal: Mast Cell Tumor Malignant Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
		0/50 (0%)		50 0%	TOLAI	0/50 (0%)	Mean 0%	50 0%
#Lymph Node, Mesenteric: 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%
#Lymph Node, Mesenteric: 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%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 49 Report Date: 08/03/2016					
			Male			Female			
#Mammary Gland: 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: Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	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 or <i>i</i>	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%	
#Mesentery: 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%	

Version: Aug2016 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 Date: 08/03/2016			
			Male				Female		
#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		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%	Total	1/48 (2.08%)	Mean 2.08%	SD 0%	
*Nose: Polyp		0/50 (0%)				0/48 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%	
⊄Oral Cavity (Oral Mucosa, To Papilloma Squamous or Pap	ngue, 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 Mucosa, To Squamous Cell Carcinoma									
Overall Incidence	Total	0/50 (0%)	Maan Oll	SD 0%	Total	0/50 (0%)	Maan Old		
*: Denominator is number of animals			Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxic e Tumor Incide		Page: 51 Report Date: 08/03/2016				
			Male				Female		
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma 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%	
#Oral Mucosa: 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%	
*Ovary: Cystadenocarcinoma									
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
'Ovary: Cystadenoma						- ()			
Overall Incidence					Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	
*Ovary: Granulosa Cell Tumor Beni	gn								
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Granulosa Cell Tumor Malig	gnant					0/50 (22/)			
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*: Denominator is number of animals #: Denominator is number of animals		kamined microscopically							

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Group Route: GAVAGE Vehicle: WATER	s	Page: 52 Report Date: 08/03/2016				
	Male		Female				
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Ovary: Granulosa-Theca Tumor Malignant							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Ovary: Hemangiosarcoma							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
'Ovary: Luteoma							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
'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%			

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxico Tumor Incider		Page: 53 Report Date: 08/03/2016				
			Male			Female			
*Ovary: Yolk Sac Carcinoma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
Parathyroid Gland: Adenoma									
Overall Incidence	Total	0/41 (0%) 0/41 (0%)	Mean 0%	SD 0%	Total	0/35 (0%) 0/35 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Distalis Adenoma	or Unspeci	fied 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%	
Pituitary Gland: Pars Distalis Carcinoma									
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
Pituitary Gland: Pars Distalis Carcinoma or Adenoma		fied 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%	
Pituitary Gland: Pars Interme Adenoma									
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxic Tumor Incide		Page: 54 Report Date: 08/03/2016				
			Male			Female			
*Pituitary Gland: Pars Interme Carcinoma	dia:								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Interme Carcinoma or Adenoma									
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Interme Schwannoma Malignant		0/49 (0%)				0/50 (0%)			
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		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%	

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 55 Report Date: 08/03/2016				
			Male				Female	
*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%
*Salivary Glands: Myxosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Seminal Vesicle: Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: 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%
#Skeletal Muscle: Rhabdomyosarcoma		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: 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%
*: Denominator is number of animals	s with tissues e							

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 56 Report Date: 08/03/2016					
			Male	······································			Female	
#Skeletal Muscle: Sarcoma		0/50 (00/)				2/52 (22/)		
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: Basal 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%
#Skin: Basal Cell Carcinoma or Bas Overall Incidence	sosquamou Total	s Tumor (malignant or N 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma, Basa NOS), or Trichoepithelioma	I Cell Adend			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 Carcinoma Adenoma, Papilloma, Sq Pa	ı, Carcinom	a, Basosq. Tumor (M or E	3), Basal Cell Adeno			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Fibroma, Fibrosarcoma, Sar						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								

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 57 Report Date: 08/03/2016				
			Male				Female	
#Skin: 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%
#Skin:		()				, ,		
Fibrosarcoma, Sarcoma, N	lyxosarcoma	, or Fibrous Histiocytoma 0/50 (0%)	3			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#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: Hemangioma		0/50 (0%)		00.00/	Tetel	0/50 (0%)	M 00/	CD 01/
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: 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%
#Skin: Keratoacanthoma								
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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 58 Report Date: 08/03/2016				
			Male				Female	
#Skin: Lipoma		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%
#Skin: Melanoma 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: 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%
/Skin: Neurofibrosarcoma or Schw		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%
ŧSkin: Neurofibrosarcoma, Neurofi	broma, or S	Schwannoma (benign, ma 0/50 (0%)	lignant or NOS)			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
≮Skin: 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%
*: Denominator is number of animals								

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxic a Tumor Incide	Page: 59 Report Date: 08/03/2016				
			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%)				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%
≭Skin: Squamous Cell Papilloma, F		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 animals		xamined microscopically						

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 60 Report Date: 08/03/2016						
			Male			Female			
*Spleen: Hemangiosarcoma		2/50 (4%)				0/50 (0%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Spleen: 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%	
#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	or Papilloma	a Squamous 0/50 (0%)				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%	
#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%	

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	5		Toxic Tumor Incide	Page: 61 Report Date: 08/03/2016					
			Male			Female			
#Stomach, Glandular: 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%	
*Testes: Adenoma		1/50 (2%)							
Overall Incidence	Total	1/50 (2%)	Mean 2%	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%	
*Thymus: Thymoma Benign		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 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%	
*Thymus: Thymoma: Benign, Malign		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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 62 Report Date: 08/03/2016					
			Male			Female			
Thyroid Gland: C-Cell: Adenoma		0/50 (0%	5)			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		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 Overall Incidence	Total	0/50 (0% 0/50 (0%)		SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
Thyroid Gland: Follicular Cell Adenoma		1/50 (2%	5)			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		1/50 (2%				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tongue: Squamous Cell Carcinoma c		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%	

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 63 Report Date: 08/03/2016					
			Male			Female			
#Tongue: 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%	
#Tooth:		0,00 (0,0)							
Odontoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	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%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Adenoma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Granular Cell Tumor Benig									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC						
	Male		Female			
#Uterus:						
Hemangioma			0/50 (0%)			
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%	
#Uterus:						
Hemangiosarcoma			0/50 (0%)			
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%	
#Uterus:						
Leiomyoma						
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus:						
Polyp Stromal						
Overall Incidence		Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	
#Uterus:						
Sarcoma Stromal						
			0/50 (0%)			
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%	
#Uterus:						
Sarcoma Stromal or Polyp Stromal						
		-	2/50 (4%)	M 404	00.00/	
Overall Incidence		Total	2/50 (4%)	Mean 4%	SD 0%	
*: Denominator is number of animals with tissues examined mice	roscopically					

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 65 Report Date: 08/03/2016				
			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%

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

		-	<u> </u>	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	052060104	10/06/08	729	50(5)	38(708)	52.1	Antimony trioxide
Battelle Northwest	052072504	08/31/09	729	50(5)	35(697)	51.1	2,3-Butanedione
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	052052304	08/03/09	729	50(5)	38(692)	52.4	Metal Working Fluids: TRIM® VX
Battelle Northwest	051047204	01/31/11	729	50(5)	40(705)	52.7	p-Chloro-a,a,a-trifluorotoluene
					Female		
Battelle Northwest	052060104	10/06/08	731	50(5)	36(692)	54.1	Antimony trioxide
Battelle Northwest	052072504	08/31/09	731	50(5)	36(697)	51.0	2,3-Butanedione
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	052052304	08/03/09	731	50(5)	35(692)	57.9	Metal Working Fluids: TRIM® VX
Battelle Northwest	051047204	01/31/11	731	50(5)	38(700)	55.9	p-Chloro-a,a,a-trifluorotoluene

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								
		37/50 (74%) 39/50 (78%)	22/50 (44%) 32/50 (64%)	35/50 (70%)		25/50 (50%) 26/50 (52%)	15/50 (30%) 23/50 (46%)	29/50 (58%) 24/50 (48%)
Overall Incidence	Total	39/50 (78%) 197/300 (65.67%)	32/50 (64%) Mean 65.67%	32/50 (64%) SD 11.96%	Total	142/300 (47.33%)	23/50 (46%) Mean 47.33%	24/50 (48%) SD 9.44%
#All Organs: Malignant Tumors								
		25/50 (50%)	27/50 (54%)	36/50 (72%)		25/50 (50%)	24/50 (48%)	31/50 (62%)
	Tatal	26/50 (52%)	32/50 (64%)	25/50 (50%)	Tatal	30/50 (60%)	27/50 (54%)	24/50 (48%)
Overall Incidence	Total	171/300 (57%)	Mean 57%	SD 9.01%	Total	161/300 (53.67%)	Mean 53.67%	SD 6.12%
#All Organs: Malignant and Benign T	umors							
		45/50 (90%)	37/50 (74%)	45/50 (90%)		35/50 (70%)	34/50 (68%)	40/50 (80%)
Overall Incidence	Total	46/50 (92%) 259/300 (86.33%)	42/50 (84%) Mean 86.33%	44/50 (88%) SD 6.62%	Total	41/50 (82%) 226/300 (75.33%)	38/50 (76%) Mean 75.33%	38/50 (76%) SD 5.47%
#All Organs: Hemangioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#All Organs: Hemangiosarcoma								
		2/50 (4%)	1/50 (2%)	7/50 (14%)		4/50 (8%)	0/50 (0%)	3/50 (6%)
Overall Insidence	Tatal	1/50 (2%)	0/50 (0%)	2/50 (4%)	Tatal	3/50 (6%)	2/50 (4%)	3/50 (6%)
Overall Incidence	Total	13/300 (4.33%)	Mean 4.33%	SD 4.97%	Total	15/300 (5%)	Mean 5%	SD 2.76%

*: 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	
#All Organs: Hemangiosarcoma or Hema	angioma							
-	-	2/50 (4%) 2/50 (4%)	1/50 (2%) 0/50 (0%)	7/50 (14%) 2/50 (4%)		4/50 (8%) 3/50 (6%)	0/50 (0%) 3/50 (6%)	3/50 (6%) 3/50 (6%)
Overall Incidence	Total	14/300 (4.67%)	Mean 4.67%	SD 4.84%	Total	16/300 (5.33%)	Mean 5.33%	SD 2.73%
#All Organs: Histiocytic Sarcoma								
		1/50 (2%)	0/50 (0%)	1/50 (2%)		3/50 (6%)	1/50 (2%)	1/50 (2%)
• ••• •••	-	1/50 (2%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	4/50 (8%)	2/50 (4%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	13/300 (4.33%)	Mean 4.33%	SD 2.34%
		nphocytic, Mixed, NOS, o 4/50 (8%) 3/50 (6%)	6/50 (12%) 6/50 (12%)	4/50 (8%) 6/50 (12%)		7/50 (14%) 18/50 (36%)	9/50 (18%) 10/50 (20%)	14/50 (28%) 9/50 (18%)
Overall Incidence	Total	4/50 (8%) 3/50 (6%) 29/300 (9.67%)	6/50 (12%) 6/50 (12%) Mean 9.67%	4/50 (8%) 6/50 (12%) SD 2.66%	Total	()	(/	()
Overall Incidence	Total	4/50 (8%) 3/50 (6%) 29/300 (9.67%)	6/50 (12%) 6/50 (12%) Mean 9.67%	4/50 (8%) 6/50 (12%) SD 2.66%	Total	18/50 (36%)	10/50 (20%)	9/50 (18%)
Overall Incidence #All Organs:	Total	4/50 (8%) 3/50 (6%) 29/300 (9.67%) 5 0/50 (0%)	6/50 (12%) 6/50 (12%) Mean 9.67% 0/50 (0%)	4/50 (8%) 6/50 (12%) SD 2.66% 0/50 (0%)	Total	18/50 (36%) 67/300 (22.33%) 0/50 (0%)	10/50 (20%) Mean 22.33% 0/50 (0%)	9/50 (18%) SD 8.14% 0/50 (0%)
Overall Incidence #All Organs: Mesothelioma: Benign, Mal	Total lignant, NO	4/50 (8%) 3/50 (6%) 29/300 (9.67%) 5 0/50 (0%) 0/50 (0%)	6/50 (12%) 6/50 (12%) Mean 9.67% 0/50 (0%) 0/50 (0%)	4/50 (8%) 6/50 (12%) SD 2.66% 0/50 (0%) 0/50 (0%)		18/50 (36%) 67/300 (22.33%) 0/50 (0%) 0/50 (0%)	10/50 (20%) Mean 22.33% 0/50 (0%) 0/50 (0%)	9/50 (18%) SD 8.14% 0/50 (0%) 0/50 (0%)
Overall Incidence #All Organs: Mesothelioma: Benign, Mal Overall Incidence	Total I ignant, NO S	4/50 (8%) 3/50 (6%) 29/300 (9.67%) 5 0/50 (0%) 0/50 (0%) 0/300 (0%)	6/50 (12%) 6/50 (12%) Mean 9.67% 0/50 (0%) 0/50 (0%) Mean 0%	4/50 (8%) 6/50 (12%) SD 2.66% 0/50 (0%) 0/50 (0%) SD 0%	Total	18/50 (36%) 67/300 (22.33%) 0/50 (0%)	10/50 (20%) Mean 22.33% 0/50 (0%)	9/50 (18%) SD 8.14% 0/50 (0%)
Overall Incidence #All Organs:	Total I ignant, NO S	4/50 (8%) 3/50 (6%) 29/300 (9.67%) 5 0/50 (0%) 0/50 (0%) 0/300 (0%)	6/50 (12%) 6/50 (12%) Mean 9.67% 0/50 (0%) 0/50 (0%) Mean 0%	4/50 (8%) 6/50 (12%) SD 2.66% 0/50 (0%) 0/50 (0%) SD 0%	Total	18/50 (36%) 67/300 (22.33%) 0/50 (0%) 0/50 (0%)	10/50 (20%) Mean 22.33% 0/50 (0%) 0/50 (0%)	9/50 (18%) SD 8.14% 0/50 (0%) 0/50 (0%)
Overall Incidence #All Organs: Mesothelioma: Benign, Mal Overall Incidence #All Organs:	Total I ignant, NO S	4/50 (8%) 3/50 (6%) 29/300 (9.67%) 5 0/50 (0%) 0/50 (0%) 0/50 (0%)	6/50 (12%) 6/50 (12%) Mean 9.67% 0/50 (0%) 0/50 (0%) Mean 0%	4/50 (8%) 6/50 (12%) SD 2.66% 0/50 (0%) 0/50 (0%) SD 0%	Total	18/50 (36%) 67/300 (22.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	10/50 (20%) Mean 22.33% 0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%)	9/50 (18%) SD 8.14% 0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)
Overall Incidence #All Organs: Mesothelioma: Benign, Mal Overall Incidence #All Organs:	Total I ignant, NO S	4/50 (8%) 3/50 (6%) 29/300 (9.67%) 5 0/50 (0%) 0/50 (0%) 0/300 (0%)	6/50 (12%) 6/50 (12%) Mean 9.67% 0/50 (0%) 0/50 (0%) Mean 0%	4/50 (8%) 6/50 (12%) SD 2.66% 0/50 (0%) 0/50 (0%) SD 0%	Total	18/50 (36%) 67/300 (22.33%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	10/50 (20%) Mean 22.33% 0/50 (0%) 0/50 (0%) Mean 0%	9/50 (18%) SD 8.14% 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: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Osteoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	0/50 (0%) SD 0%	Total	0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#All Organs: Osteosarcoma or Osteoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
O	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	T . (/	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%
*Adrenal Cortex: Adenoma								
		4/49 (8%)	2/50 (4%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
	-	9/49 (18%)	3/50 (6%)	0/50 (0%)	T ()	0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	19/298 (6.38%)	Mean 6.42%	SD 6.52%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
Adrenal Medulla: Pheochromocytoma Benign								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
	Tatal	1/48 (2%)	0/50 (0%)	0/50 (0%)	Tatal	1/49 (2%)	2/50 (4%)	1/50 (2%)
Overall Incidence	Total	1/297 (0.34%)	Mean 0.35%	SD 0.85%	Total	6/299 (2.01%)	Mean 2.01%	SD 1.27%
Adrenal Medulla: Pheochromocytoma: Benign	, Complex	, Malignant, NOS						
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
	T	1/48 (2%)	0/50 (0%)	0/50 (0%)	-	1/49 (2%)	2/50 (4%)	1/50 (2%)
Overall Incidence	Total	1/297 (0.34%)	Mean 0.35%	SD 0.85%	Total	6/299 (2.01%)	Mean 2.01%	SD 1.27%

*: 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	
#Blood Vessel: Hemangioma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%	Total	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
	Total	0/300 (0%)	Mean 0%	50 0%	Total	0/300 (0%)	Mean 0%	50 0%
[#] Blood Vessel: Hemangiosarcoma								
		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%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Bone Marrow: Hemangiosarcoma								
		0/49 (0%)	0/48 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/297 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%
Bone Marrow: Mast Cell Tumor Malignant								
		0/49 (0%)	1/48 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
A	T . (.)	0/50 (0%)	1/50 (2%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/297 (0.67%)	Mean 0.68%	SD 1.05%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
Bone Marrow: Sarcoma								
		0/49 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%

*: Denominator is number of animals with tissues examined microscopically

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			Male				Female	
#Bone: 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%) 0/300 (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%
#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 or Osteom								
		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%)	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%)
O	T - 4 - 1	0/50 (0%)	0/50 (0%)	0/50 (0%)	T - 4 - 1	1/50 (2%)	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%
*Brain: Granular Cell Tumor Benig	gn							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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: INHALATION Vehicle: AIR

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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, Mali	gnant, NOS							
	-	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
#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%)	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%
#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%

*: 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	
#Harderian Gland: Adenoma								
		6/50 (12%) 7/50 (14%)	3/50 (6%) 4/50 (8%)	6/50 (12%) 5/50 (10%)		3/50 (6%) 2/50 (4%)	3/50 (6%) 1/50 (2%)	3/50 (6%) 2/50 (4%)
Overall Incidence	Total	31/300 (10.33%)	Mean 10.33%	SD 2.94%	Total	14/300 (4.67%)	Mean 4.67%	SD 1.63%
Harderian Gland: Carcinoma								
		1/50 (2%)	0/50 (0%)	2/50 (4%)		4/50 (8%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	5/50 (10%)	2/50 (4%)	1/50 (2%)	Total	0/50 (0%)	3/50 (6%)	0/50 (0%)
	Total	11/300 (3.67%)	Mean 3.67%	SD 3.44%	Total	8/300 (2.67%)	Mean 2.67%	SD 3.5%
#Harderian Gland: Carcinoma or Adenoma								
		7/50 (14%)	3/50 (6%)	8/50 (16%)		7/50 (14%)	4/50 (8%)	3/50 (6%)
Overall Incidence	Total	12/50 (24%) 42/300 (14%)	6/50 (12%) Mean 14%	6/50 (12%) SD 5.93%	Total	2/50 (4%) 22/300 (7.33%)	4/50 (8%) Mean 7.33%	2/50 (4%) SD 3.72%
'Heart: Hemangiosarcoma								
-		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 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%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Totol	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	TULAI	0/300 (0%)		30 0%	Total	0/300 (0%)		30 0%

*: Denominator is number of animals with tissues examined microscopically

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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%)
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%
		()						
#Intestine Large: Cecum: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
	-	0/50 (0%)	0/50 (0%)	0/50 (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: Duodenum: Adenoma								
		2/50 (4%)	0/50 (0%)	1/50 (2%	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	0/50 (0%	%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/300 (2%)	Mean 2%	SD 1.79%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Small: Duodenum: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
a	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%
#Intestine Small: Duodenum: Polyp Adenomatous								
		0/50 (0%)	1/50 (2%)	0/50 (0%	,	0/50 (0%)	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: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Small: Ileum: Adenoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%
#Intestine Small: Ileum: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
#Intestine Small: Jejunum: 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 Small: Jejunum: Carcinoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (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

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			Male				Female	
#Intestine Small: Site Uns Adenoma	pecified:							
		2/50 (4%) 1/50 (2%)	0/50 (0%) 2/50 (4%)	2/50 (4%) 0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	7/300 (2.33%)	Mean 2.33%	SD 1.97%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
#Intestine Small: Site Uns Carcinoma	pecified:							
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
O	T - (- 1	0/50 (0%)	0/50 (0%)	1/50 (2%)	T . (.)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Small: Site Uns Carcinoma or Adenoma	•							
		3/50 (6%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
	Tatal	1/50 (2%)	2/50 (4%)	1/50 (2%)	Tatal	1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	9/300 (3%)	Mean 3%	SD 2.1%	Total	3/300 (1%)	Mean 1%	SD 1.1%
Intestine Small: Site Uns Leiomyosarcoma	pecified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Polyp Adenomatous								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
O	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)	T . (.)	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: INHALATION Vehicle: AIR

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			Male				Female	
Islets, Pancreatic: Adenoma								
		0/49 (0%)	0/48 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/50 (4%) 3/296 (1.01%)	0/50 (0%) Mean 1%	1/50 (2%) SD 1.67%	Total	1/50 (2%) 1/299 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
		· ,				1/299 (0.3376)		3D 0.02 <i>%</i>
Islets, Pancreatic: Carcinoma								
		0/49 (0%)	0/48 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
	-	0/50 (0%)	0/50 (0%)	0/50 (0%)	-	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
'Islets, Pancreatic: Carcinoma or Adenoma								
		0/49 (0%)	0/48 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/296 (1.01%)	Mean 1%	SD 1.67%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
Kidney: Pelvis and Transit Carcinoma								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
0	Tarak	0/50 (0%)	0/50 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/49 (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%
Kidney: Pelvis and Transit Carcinoma or Adenoma	ional Epitheli	um:						
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (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%

*: 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	
Kidney: Renal Tubule: Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
Kidney: Renal Tubule: Carcinoma								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Insidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/49 (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%
Kidney: Renal Tubule: Carcinoma or Adenoma								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
S	T - (- 1	0/50 (0%)	0/50 (0%)	0/50 (0%)	T - (- 1	0/50 (0%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	0/299 (0%)	Mean 0%	SD 0%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
Liver: Cholangiocarcinoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Jverall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	i otai	0/300 (0%)	wean 0%	SD 0%
*Liver: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overell In eiden ee	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: INHALATION Vehicle: AIR

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			Male				Female	
*Liver: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	4/50 (8%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%)
overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 3.27%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%
Liver: Hepatoblastoma								
		2/50 (4%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
	Tatal	0/50 (0%)	0/50 (0%)	1/50 (2%)	Tatal	1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	6/300 (2%)	Mean 2%	SD 1.79%	Total	3/300 (1%)	Mean 1%	SD 1.1%
[•] Liver: Hepatocellular Adenoma								
		30/50 (60%)	17/50 (34%)	28/50 (56%)		11/50 (22%)	6/50 (12%)	19/50 (38%)
	T . (.)	24/50 (48%)	23/50 (46%)	25/50 (50%)	T - (-)	14/50 (28%)	9/50 (18%)	12/50 (24%)
Overall Incidence	Total	147/300 (49%)	Mean 49%	SD 9.01%	Total	71/300 (23.67%)	Mean 23.67%	SD 8.89%
Liver: Hepatocellular Carcinoma								
		15/50 (30%)	17/50 (34%)	25/50 (50%)		6/50 (12%)	5/50 (10%)	10/50 (20%)
	Tatal	11/50 (22%)	21/50 (42%)	8/50 (16%)	Tatal	10/50 (20%)	7/50 (14%)	7/50 (14%)
Overall Incidence	Total	97/300 (32.33%)	Mean 32.33%	SD 12.55%	Total	45/300 (15%)	Mean 15%	SD 4.15%
'Liver: Hepatocellular Carcinoma o	r Hepatobl	lastoma						
-	-	16/50 (32%)	18/50 (36%)	27/50 (54%)		6/50 (12%)	6/50 (12%)	10/50 (20%)
		11/50 (22%)	21/50 (42%)	9/50 (18%)		10/50 (20%)	7/50 (14%)	7/50 (14%)
Overall Incidence	Total	102/300 (34%)	Mean 34%	SD 13.21%	Total	46/300 (15.33%)	Mean 15.33%	SD 3.72%

*: 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	
Liver: Hepatocellular Carcinon	na or Honataaa							
пераюсенина сагонон	na or nepatoce	39/50 (78%)	31/50 (62%)	38/50 (76%)		14/50 (28%)	11/50 (22%)	25/50 (50%)
		32/50 (64%)	34/50 (68%)	30/50 (60%)		20/50 (40%)	15/50 (30%)	18/50 (36%)
Overall Incidence	Total	204/300 (68%)	Mean 68%	SD 7.48%	Total	103/300 (34.33%)	Mean 34.33%	SD 9.91%
Liver:								
Hepatocellular Carcinon	na, Hepatocellu	ular Adenoma, or Hepatol		00/50 (700/)		4.4/50 (000()		05/50 (500/)
		39/50 (78%)	32/50 (64%)	39/50 (78%)		14/50 (28%)	12/50 (24%)	25/50 (50%)
N	Takal	32/50 (64%)	34/50 (68%)	31/50 (62%)	T - (-)	20/50 (40%)	15/50 (30%)	18/50 (36%)
Overall Incidence	Total	207/300 (69%)	Mean 69%	SD 7.24%	Total	104/300 (34.67%)	Mean 34.67%	SD 9.44%
Liver: Hepatocholangiocarcino								
		1/50 (2%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 2.34%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Liver: Mast Cell Tumor Malign	ant							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
Lung: Alveolar/Bronchiolar Ad	enoma							
		10/50 (20%)	5/50 (10%)	7/50 (14%)		1/50 (2%)	3/50 (6%)	3/49 (6%)
		5/50 (10%)	6/50 (12%)	11/50 (22%)		1/50 (2%)	4/50 (8%)	5/50 (10%)
Overall Incidence	Total	44/300 (14.67%)	Mean 14.67%	SD 5.16%	Total	17/299 (5.69%)	Mean 5.69%	SD 3.21%

*: 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	
*Lung:								
Alveolar/Bronchiolar Carcin	ioma	4/50 (8%)	5/50 (10%)	11/50 (22%)		2/50 (4%)	3/50 (6%)	5/49 (10%)
		4/50 (8%) 8/50 (16%)	10/50 (10%)	6/50 (12%)		2/50 (4%) 4/50 (8%)	5/50 (10%)	0/50 (0%)
Overall Incidence	Total	44/300 (14.67%)	Mean 14.67%	SD 5.61%	Total	19/299 (6.35%)	Mean 6.37%	SD 3.92%
*Lung: Alveolar/Bronchiolar Carcin	oma or Al	veolar/Bronchiolar Adenc	oma					
		13/50 (26%)	9/50 (18%)	16/50 (32%)		3/50 (6%)	6/50 (12%)	8/49 (16%)
		13/50 (26%)	14/50 (28%)	17/50 (34%)		4/50 (8%)	9/50 (18%)	5/50 (10%)
Overall Incidence	Total	82/300 (27.33%)	Mean 27.33%	SD 5.61%	Total	35/299 (11.71%)	Mean 11.72%	SD 4.7%
*Lung: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/299 (0%)	Mean 0%	SD 0%
#Lymph Node: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
#Lymph Node, Mandibular: Mast Cell Tumor Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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: INHALATION Vehicle: AIR

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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%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Lymph Node, Mesenteric: 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%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Lymph Node, Mesenteric: 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%
#Mammary Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
Mammary Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%

*: 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	
#Mammary Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)		1/50 (2%) 2/50 (4%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	5/300 (1.67%)	Mean 1.67%	SD 1.51%
#Mammary Gland: Fibroma, Fibroadenoma o	or Adenoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
#Mammary Gland: Fibroma, Fibroadenoma, (Carcinoma, o	r Adenoma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)		1/50 (2%) 2/50 (4%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	5/300 (1.67%)	Mean 1.67%	SD 1.51%
#Mesentery: Hemangioma		()	- / / /	- ()				- (
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	Total	()	()	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%) SD 0%
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	U U%
#Mesentery: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
o	T ()	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: INHALATION Vehicle: AIR

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			Male				Female	
#Mesentery: Lipoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	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	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Nose: Adenoma								
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
'Nose: Polyp								
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%	Total	0/300 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucos Papilloma Squamous (sa, Tongue, Pha							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Pha							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Tu		logy Data Ma nce for Selecto Route: INH Vehicle	ed Control	System Animal Groups				Page: 85 Report Da	te: 08/03/2	016
					Male						F	emale		
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma,														
		0/50 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	(0%) 3%)	0/50 Mean ((0%)).33%	1/50 SD 0.82%	(2%) %	Total	0/50 0/300	(0%) (0%)	0/50 Mea	(0%) n 0%	0/50 SD	(0%) 0%
¢Oral Mucosa: 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%)	-	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/300 (0%	%) 	Mean	0%	SD 0%		Total	0/300	(0%)	Mea	n 0%	SD	0%
'Ovary: Cystadenocarcinoma														
									0/50	(0%)	0/49	(0%)	0/48	(0%)
Overall Incidence								Total	0/50 0/297	(0%) (0%)	0/50 Mea	(0%) n 0%	0/50 SD	(0%) 0%
										(0,0)				
*Ovary: Cystadenoma														
									1/50 2/50	(2%)	0/49 1/50	(0%)	1/48	(2%)
Overall Incidence								Total	2/50 7/297 (2	(4%) 2.36%)		(2%) 2.35%	2/50 SD -	(4%) 1.5%
Ovary: Granulosa Cell Tumor Beni	an													
	5								0/50	(0%)	0/49	(0%)	0/48	(0%)
Warall Incidence								Tetel	1/50	(2%)	1/50	(2%)	0/50	(0%)
Overall Incidence								Total	2/297 (0	/%)	iviean	0.67%	SD 1	.03%

Route: INHALATION Vehicle: AIR		Report Da	te: 08/03/2016
Male		Female	
	1/50 (2%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)
Total	1/297 (0.34%)	Mean 0.33%	SD 0.82%
	1/50 (2%)	0/49 (0%)	0/48 (0%)
	1/50 (2%)	1/50 (2%)	0/50 (0%)
Total	3/297 (1.01%)	Mean 1%	SD 1.1%
	0/50 (0%)	1/49 (2%)	0/48 (0%)
	0/50 (0%)	0/50 (0%)	1/50 (2%)
Total	2/297 (0.67%)	Mean 0.67%	SD 1.04%
			0/48 (0%)
Total			0/50 (0%) SD 0.82%
TUlai	1/297 (0.34%)		30 0.02%
	0/50 (0%)	0/49 (0%)	0/48 (0%)
Total			2/50 (4%) SD 1.67%
	Male Total Total	Male $1/50$ (2%) 0/50 (0%) Total $1/297$ (0.34%) $1/50$ (2%) 1/50 (2%) Total $3/297$ (1.01%) $0/50$ (0%) 0/50 (0%) Total $2/297$ (0.67%) $1/50$ (2%) 0/50 (0%) Total $1/297$ (0.34%) $0/50$ (0%) 1/297 (0.34%)	Male Female $1/50$ (2%) 0/50 (0%) $0/49$ (0%) 0/50 (0%) $0/50$ (0%) Total $1/297$ (0.34%) Mean 0.33% $1/50$ (2%) $0/49$ (0%) 1/50 (2%) $1/50$ (2%) Total $3/297$ (1.01%) Mean 1% $0/50$ (0%) $0/50$ (0%) $0/50$ (0%) Total $2/297$ (0.67%) Mean 0.67% Total $1/297$ (0.34%) Mean 0.67% Total $1/297$ (0.34%) Mean 0.33%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				logy Data Management Ince for Selected Control A Route: INHALATION Vehicle: AIR	-		Page: 87 Report Dat	e: 08/03/2016
			Male				Female	
*Ovary: Sarcoma								
						0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)
Overall Incidence					Total	0/297 (0%)	Mean 0%	SD 0%
*Ovary: Tubulostromal Adenoma						0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)
Overall Incidence					Total	0/297 (0%)	Mean 0%	SD 0%
'Ovary: Yolk Sac Carcinoma						0/50 (0%)	0/49 (0%)	1/48 (2%)
Overall Incidence					Total	0/50 (0%) 1/297 (0.34%)	0/50 (0%) Mean 0.35%	0/50 (0%) SD 0.85%
Parathyroid Gland: Adenoma								
		0/27 (0%)	0/40 (0%)	0/29 (0%)		0/27 (0%)	0/38 (0%)	0/28 (0%)
		0/34 (0%)	0/28 (0%)	0/36 (0%)		0/26 (0%)	1/35 (3%)	0/36 (0%)
Overall Incidence	Total	0/194 (0%)	Mean 0%	SD 0%	Total	1/190 (0.53%)	Mean 0.48%	SD 1.17%
*Pituitary Gland: Pars Distali Adenoma								
		0/49 (0%)	0/50 (0%)	0/47 (0%)		9/49 (18%)	2/49 (4%)	3/47 (6%)
Overall In siden as	Tetel	0/50 (0%)	1/50 (2%)	0/50 (0%)	Tatal	5/50 (10%)	8/48 (17%)	4/50 (8%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.33%	SD 0.82%	Total	31/293 (10.58%)	Mean 10.58%	SD 5.74%

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

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			Male				Female	
Pituitary Gland: Pars Dist Carcinoma	alis or Unspec	ified Site:						
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	3/48 (6%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	3/293 (1.02%)	Mean 1.04%	SD 2.55%
*Pituitary Gland: Pars Dist Carcinoma or Adenoma	alis or Unspec	ified Site:						
		0/49 (0%)	0/50 (0%)	0/47 (0%)		9/49 (18%)	2/49 (4%)	3/47 (6%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		5/50 (10%)	11/48 (23%)	4/50 (8%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.33%	SD 0.82%	Total	34/293 (11.6%)	Mean 11.62%	SD 7.39%
*Pituitary Gland: Pars Inte Adenoma								
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	0/293 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Inte Carcinoma								
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	1/49 (2%)	0/47 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	1/293 (0.34%)	Mean 0.34%	SD 0.83%
*Pituitary Gland: Pars Inte Carcinoma or Adenoma	rmedia:							
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	1/49 (2%)	0/47 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	1/293 (0.34%)	Mean 0.34%	SD 0.83%

*: 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	
Pituitary Gland: Pars Interm Schwannoma Malignant	edia:							
-		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/47 (0%) 1/50 (2%)		0/49 (0%) 0/50 (0%)	0/49 (0%) 0/48 (0%)	0/47 (0%) 0/50 (0%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/293 (0%)	Mean 0%	SD 0%
Salivary Glands: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (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	0/299 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		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%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
Salivary Glands: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	1/50 (2%) SD 0.82%
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
*Salivary Glands: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
O	T - (- 1	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	0/299 (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: INHALATION Vehicle: AIR

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			Male				Female	
Salivary Glands: Myxosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/49 (0%)	0/50 (0%)
	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.33%	SD 0.82%
#Seminal Vesicle: Adenoma								
		1/50 (2%)	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							
#Skeletal Muscle: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
0	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	T . (.)	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%
#Skeletal Muscle: Rhabdomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
0	Tatal	0/50 (0%)	0/50 (0%)	1/50 (2%)	T . (.)	0/50 (0%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%
#Skeletal Muscle: Rhabdomyosarcoma or F	Rhabdomyoma	3						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	-	0/50 (0%)	0/50 (0%)	2/50 (4%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%

*: 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	
#Skeletal Muscle: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
#Skin: Basal Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	()	()		()	()	()
#Skin:		0/50 (0%) 0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin:	Basal Cell Aden	0/50 (0%) 0/300 (0%)	Mean 0%	SD 0%		1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin: Basal Cell Carcinoma,	Basal Cell Aden	0/50 (0%) 0/300 (0%)	Mean 0%	SD 0%		1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin: Basal Cell Carcinoma,	Basal Cell Aden	0/50 (0%) 0/300 (0%) oma, Basosquamous Tur	Mean 0%	SD 0%		1/300 (0.33%) ´	Mean 0.33%	SD 0.82%
#Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli Overall Incidence	Basal Cell Aden ioma Total	0/50 (0%) 0/300 (0%) oma, Basosquamous Tur 0/50 (0%) 0/50 (0%) 0/300 (0%)	Mean 0% nor (benign, malignar 0/50 (0%) 0/50 (0%) Mean 0%	SD 0% t or 0/50 (0%) 0/50 (0%) SD 0%	Total	1/300 (0.33%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	Mean 0.33% 1/50 (2%) 0/50 (0%) Mean 0.33%	SD 0.82% 0/50 (0%) 0/50 (0%) SD 0.82%
#Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli Overall Incidence #Skin: Basal or Sq. Cell Carci	Basal Cell Aden ioma Total noma, Carcinom	0/50 (0%) 0/300 (0%) oma, Basosquamous Tur 0/50 (0%) 0/50 (0%)	Mean 0% nor (benign, malignar 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenom	SD 0% t or 0/50 (0%) 0/50 (0%) SD 0%	Total	1/300 (0.33%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	Mean 0.33% 1/50 (2%) 0/50 (0%) Mean 0.33%	SD 0.82% 0/50 (0%) 0/50 (0%) SD 0.82%
#Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli Overall Incidence #Skin: Basal or Sq. Cell Carci	Basal Cell Aden ioma Total noma, Carcinom	0/50 (0%) 0/300 (0%) oma, Basosquamous Tur 0/50 (0%) 0/50 (0%) 0/300 (0%)	Mean 0% nor (benign, malignar 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenom	SD 0% t or 0/50 (0%) 0/50 (0%) SD 0%	Total	1/300 (0.33%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	Mean 0.33% 1/50 (2%) 0/50 (0%) Mean 0.33%	SD 0.82% 0/50 (0%) 0/50 (0%) SD 0.82%
#Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli Overall Incidence #Skin: Basal or Sq. Cell Carci	Basal Cell Aden ioma Total noma, Carcinom	0/50 (0%) 0/300 (0%) oma, Basosquamous Tur 0/50 (0%) 0/50 (0%) 0/300 (0%) ea, Basosq. Tumor (M or E	Mean 0% nor (benign, malignar 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenom ithelioma	SD 0% t or 0/50 (0%) 0/50 (0%) SD 0% a,	Total	1/300 (0.33%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	Mean 0.33% 1/50 (2%) 0/50 (0%) Mean 0.33%	SD 0.82% 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: INHALATION Vehicle: AIR

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			Male				Female	
#Skin:								
Fibroma, Fibrosarcoma	a, Sarcoma, Myx	coma, Myxosarcoma, or F	ibrous Histiocytoma					
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	5/300 (1.67%)	Mean 1.67%	SD 1.97%
#Skin: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
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:		· · · · · · · · · · · · · · · · · · ·						
#Skin: Fibrosarcoma, Sarcoma Overall Incidence	a, Myxosarcom a Total	a, or Fibrous Histiocytom 0/50 (0%) 0/50 (0%) 2/300 (0.67%)	0/50 (0%) 1/50 (2%) Mean 0.67%	0/50 (0%) 1/50 (2%) SD 1.03%	Total	2/50 (4%) 0/50 (0%) 5/300 (1.67%)	0/50 (0%) 0/50 (0%) Mean 1.67%	2/50 (4%) 1/50 (2%) SD 1.97%
#Skin:	a, Myxosarcom a Total	0/50 (0%) 0/50 (0%) 2/300 (0.67%)	0/50 (0%) 1/50 (2%) Mean 0.67%	1/50 (2%) SD 1.03%		0/50 (0%) 5/300 (1.67%)	0/50 (0%)	1/50 (2%)
#Skin: Fibrosarcoma, Sarcoma Overall Incidence #Skin:	a, Myxosarcom a Total	0/50 (0%) 0/50 (0%) 2/300 (0.67%) 0/50 (0%)	0/50 (0%) 1/50 (2%) Mean 0.67%	1/50 (2%) SD 1.03%		0/50 (0%) 5/300 (1.67%)	0/50 (0%)	1/50 (2%)
#Skin: Fibrosarcoma, Sarcoma Overall Incidence #Skin:	a, Myxosarcom a Total	0/50 (0%) 0/50 (0%) 2/300 (0.67%)	0/50 (0%) 1/50 (2%) Mean 0.67%	1/50 (2%) SD 1.03%		0/50 (0%) 5/300 (1.67%)	0/50 (0%) Mean 1.67%	1/50 (2%) SD 1.97%
#Skin: Fibrosarcoma, Sarcoma Overall Incidence #Skin:	a, Myxosarcom a Total	0/50 (0%) 0/50 (0%) 2/300 (0.67%) 0/50 (0%)	0/50 (0%) 1/50 (2%) Mean 0.67% 0/50 (0%)	1/50 (2%) SD 1.03% 0/50 (0%)		0/50 (0%) 5/300 (1.67%) 1/50 (2%)	0/50 (0%) Mean 1.67% 0/50 (0%)	1/50 (2%) SD 1.97% 0/50 (0%)
#Skin: Fibrosarcoma, Sarcoma Overall Incidence #Skin: Fibrous Histiocytoma Overall Incidence	a, Myxosarcom a Total	0/50 (0%) 0/50 (0%) 2/300 (0.67%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) Mean 0.67% 0/50 (0%) 0/50 (0%)	1/50 (2%) SD 1.03% 0/50 (0%) 1/50 (2%)		0/50 (0%) 5/300 (1.67%) 1/50 (2%) 0/50 (0%)	0/50 (0%) Mean 1.67% 0/50 (0%) 0/50 (0%)	1/50 (2%) SD 1.97% 0/50 (0%) 0/50 (0%)
#Skin: Fibrosarcoma, Sarcoma Overall Incidence #Skin: Fibrous Histiocytoma Overall Incidence	a, Myxosarcom a Total	0/50 (0%) 0/50 (0%) 2/300 (0.67%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%)	0/50 (0%) 1/50 (2%) Mean 0.67% 0/50 (0%) 0/50 (0%)	1/50 (2%) SD 1.03% 0/50 (0%) 1/50 (2%) SD 0.82% 0/50 (0%)		0/50 (0%) 5/300 (1.67%) 1/50 (2%) 0/50 (0%) 1/300 (0.33%) 0/50 (0%)	0/50 (0%) Mean 1.67% 0/50 (0%) 0/50 (0%)	1/50 (2%) SD 1.97% 0/50 (0%) 0/50 (0%)
#Skin: Fibrosarcoma, Sarcoma Overall Incidence #Skin: Fibrous Histiocytoma Overall Incidence	a, Myxosarcom a Total	0/50 (0%) 0/50 (0%) 2/300 (0.67%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 1/50 (2%) Mean 0.67% 0/50 (0%) 0/50 (0%) Mean 0.33%	1/50 (2%) SD 1.03% 0/50 (0%) 1/50 (2%) SD 0.82%		0/50 (0%) 5/300 (1.67%) 1/50 (2%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 1.67% 0/50 (0%) 0/50 (0%) Mean 0.33%	1/50 (2%) SD 1.97% 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: INHALATION Vehicle: AIR

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			Male				Female	
#Skin: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)		1/50 (2%) 2/50 (4%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%	Total	3/300 (1%)	Mean 1%	SD 1.67%
≮Skin: Keratoacanthoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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: 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%
#Skin: Melanoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
	T ()	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%
#Skin: Neural Crest Tumor								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
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: Aug2016
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

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			Male				Female	
/Skin: Neurofibrosarcoma or S	Schwannoma (m	alignant or NOS)						
	· ·	0/50 (0%)		0/50 (0%)		0/50 (0%)	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% S	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin:	urefibreme er C	ahuuanama (hanian ma	import or NOS)					
Neuronbrosarcoma, Ne	uronbroma, or a	chwannoma (benign, ma 0/50 (0%)	•	0/50 (0%)		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%)	()	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Sarcoma								
		0/50 (0%)	()	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	()	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0% S	SD 0%	Total	3/300 (1%)	Mean 1%	SD 1.67%
#Skin: Schwannoma Malignan	t							
U		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%)		SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcino or Carcinoma			s Tumor (malignant or NC					
		0/50 (0%)	0/50 (0%)	0/50 (0%)		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%)		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: INHALATION Vehicle: AIR

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			Male				Female	
#Skin:								
Squamous Cell Papillo	ma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
/Skin: Squamous Cell Papillo	ma or Panilloma							
equalitede con l'aplite	ina or i apinoma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
-	ma, Papilloma, S	Squamous Cell Carcinom	a or Keratoacanthom	a				
Squamous Cell Papillo	ma, Papilloma, S Total	Squamous Cell Carcinom 0/50 (0%) 0/50 (0%) 0/300 (0%)	na or Keratoacanthoma 0/50 (0%) 0/50 (0%) Mean 0%	a 0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 1/50 (2%) 1/300 (0.33%)	0/50 (0%) 0/50 (0%) Mean 0.33%	0/50 (0%) 0/50 (0%) SD 0.82%
Squamous Cell Papillo	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	Total	1/50 (2%)	0/50 (0%)	0/50 (0%)
Squamous Cell Papillo Overall Incidence #Skin:	Total	0/50 (0%) 0/50 (0%) 0/300 (0%) or Keratoacanthoma 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)	Total	1/50 (2%) 1/300 (0.33%) 0/50 (0%)	0/50 (0%) Mean 0.33% 0/50 (0%)	0/50 (0%) SD 0.82% 0/50 (0%)
Squamous Cell Papillo Overall Incidence #Skin:	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%	Total	1/50 (2%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo	Total	0/50 (0%) 0/50 (0%) 0/300 (0%) or Keratoacanthoma 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%)	Total Total	1/50 (2%) 1/300 (0.33%) 0/50 (0%)	0/50 (0%) Mean 0.33% 0/50 (0%)	0/50 (0%) SD 0.82% 0/50 (0%)
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence	Total ma, Papilloma, c	0/50 (0%) 0/50 (0%) 0/300 (0%) or Keratoacanthoma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)		1/50 (2%) 1/300 (0.33%) 0/50 (0%) 1/50 (2%)	0/50 (0%) Mean 0.33% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0.82% 0/50 (0%) 0/50 (0%)
Squamous Cell Papillo Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence *Spleen:	Total ma, Papilloma, c	0/50 (0%) 0/50 (0%) 0/300 (0%) or Keratoacanthoma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)		1/50 (2%) 1/300 (0.33%) 0/50 (0%) 1/50 (2%)	0/50 (0%) Mean 0.33% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0.82% 0/50 (0%) 0/50 (0%)
Overall Incidence #Skin: Squamous Cell Papillo Overall Incidence *Spleen:	Total ma, Papilloma, c	0/50 (0%) 0/50 (0%) 0/300 (0%) or Keratoacanthoma 0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0%		1/50 (2%) 1/300 (0.33%) 0/50 (0%) 1/50 (2%) 1/300 (0.33%)	0/50 (0%) Mean 0.33% 0/50 (0%) 0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82% 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: INHALATION Vehicle: AIR

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			Male				Female	
*Spleen: Mast Cell Tumor Malignant								
		0/49 (0%)	0/48 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/49 (2%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	1/299 (0.33%)	Mean 0.34%	SD 0.83%
#Stomach, Forestomach: Squamous Cell Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma	or Papillom	a Squamous 1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	1/50 (2%) 1/50 (2%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.1%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.03%
		3/300 (1%)	Mean 1%	SD 1.1%		(,		SD 1.03%
#Stomach, Forestomach:		3/300 (1%) 1/50 (2%)	Mean 1% 0/50 (0%)	SD 1.1%		1/50 (2%)	0/50 (0%)	SD 1.03% 1/50 (2%)
#Stomach, Forestomach: Squamous Cell Papilloma		3/300 (1%) 1/50 (2%) 0/50 (0%)	Mean 1%	SD 1.1% 0/50 (0%) 1/50 (2%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	SD 1.03% 1/50 (2%) 1/50 (2%)
#Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence	Total	3/300 (1%) 1/50 (2%) 0/50 (0%) 3/300 (1%)	Mean 1% 0/50 (0%) 1/50 (2%) Mean 1%	SD 1.1% 0/50 (0%) 1/50 (2%) SD 1.1%	Total	1/50 (2%) 0/50 (0%) 4/300 (1.33%)	0/50 (0%)	SD 1.03% 1/50 (2%)
#Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence	Total	3/300 (1%) 1/50 (2%) 0/50 (0%) 3/300 (1%)	Mean 1% 0/50 (0%) 1/50 (2%) Mean 1%	SD 1.1% 0/50 (0%) 1/50 (2%) SD 1.1%	Total	1/50 (2%) 0/50 (0%) 4/300 (1.33%)	0/50 (0%) 1/50 (2%) Mean 1.33%	SD 1.03% 1/50 (2%) 1/50 (2%) SD 1.03%
#Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence #Stomach, Glandular:	Total	3/300 (1%) 1/50 (2%) 0/50 (0%) 3/300 (1%) 0/50 (0%)	Mean 1% 0/50 (0%) 1/50 (2%) Mean 1% 0/50 (0%)	SD 1.1% 0/50 (0%) 1/50 (2%) SD 1.1% 0/50 (0%)	Total	1/50 (2%) 0/50 (0%) 4/300 (1.33%) 0/50 (0%)	0/50 (0%) 1/50 (2%) Mean 1.33% 0/50 (0%)	SD 1.03% 1/50 (2%) 1/50 (2%) SD 1.03% 0/50 (0%)
#Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence #Stomach, Glandular:	Total	3/300 (1%) 1/50 (2%) 0/50 (0%) 3/300 (1%)	Mean 1% 0/50 (0%) 1/50 (2%) Mean 1%	SD 1.1% 0/50 (0%) 1/50 (2%) SD 1.1%	Total	1/50 (2%) 0/50 (0%) 4/300 (1.33%)	0/50 (0%) 1/50 (2%) Mean 1.33%	SD 1.03% 1/50 (2%) 1/50 (2%) SD 1.03%

*: 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			
#Stomach, Glandular: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
*Testes: Adenoma								
		0/49 (0%)	0/49 (0%)	1/50 (2%)				
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%				
*Thymus: Neoplasm NOS								
		0/41 (0%)	0/43 (0%)	0/42 (0%)		0/47 (0%)	0/47 (0%)	1/46 (2%)
		0/41 (0%)	0/44 (0%)	0/48 (0%)		0/44 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence	Total	0/259 (0%)	Mean 0%	SD 0%	Total	1/282 (0.35%)	Mean 0.36%	SD 0.89%
*Thymus: Thymoma Benign								
		0/41 (0%)	0/43 (0%)	0/42 (0%)		0/47 (0%)	0/47 (0%)	0/46 (0%)
		0/41 (0%)	0/44 (0%)	0/48 (0%)		0/44 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence	Total	0/259 (0%)	Mean 0%	SD 0%	Total	0/282 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS								
		0/41 (0%)	0/43 (0%)	0/42 (0%)		1/47 (2%)	0/47 (0%)	0/46 (0%)
		0/41 (0%)	0/44 (0%)	0/48 (0%)		0/44 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence	Total	0/259 (0%)	Mean 0%	SD 0%	Total	1/282 (0.35%)	Mean 0.35%	SD 0.87%

*: 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	
*Thymus: Thymoma: Benign, Malign	nant. NOS							
	,	0/41 (0%) 0/41 (0%)	0/43 (0%) 0/44 (0%)	0/42 (0%) 0/48 (0%)		1/47 (2%) 0/44 (0%)	0/47 (0%) 0/48 (0%)	0/46 (0%) 0/50 (0%)
Overall Incidence	Total	0/259 (0%)	Mean 0%	SD 0%	Total	1/282 (0.35%)	Mean 0.35%	SD 0.87%
*Thyroid Gland: C-Cell: Adenoma								
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma								
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%
Thyroid Gland: Follicular C Adenoma	ell:							
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/48 (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%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	2/298 (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: INHALATION Vehicle: AIR

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			Male				Female	
*Thyroid Gland: Follicular Cel Carcinoma or Adenoma	11:							
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/48 (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%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	2/298 (0.67%)	Mean 0.67%	SD 1.03%
#Tongue: Squamous Cell Carcinoma	or Papillon	na Squamous						
·	•	. 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
#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%)	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%
#Tooth: Odontoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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%
#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%

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 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: 100 Report Da	a te: 08/03/20	116	
					Male				Female					
*Urinary Bladder: Hemangiosarcoma		0/50	(0%)	0/49	(0%)	0/48	(0%)		0/50	(0%)	0/50	(0%)	0/49	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/297 (0.34	%)	Mean 0	.33%	SD 0.82	%	Total	0/299	. ,		an 0%	SD	. ,
#Uterus: Adenoma									0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence								Total	0/300	()		an 0%	SD	0%
#Uterus: Granular Cell Tumor Benigr									1/50 0/50	(2%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence								Total	1/300 (0	. ,		0.33%	SD 0.	. ,
#Uterus: Hemangioma									0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total	0/50 0/300	(0%)	0/50	(0%) an 0%	0/50 SD	(0%)
#Uterus: Hemangiosarcoma														
									1/50	(2%)	0/50	(0%)	0/50	(0%)
								Total	1/50 4/300(1	(2%)	1/50 Mear	(2%)	1/50	(2%) 03%

Version: Aug2016						ogy Data Ma						Page: 101		
Contract/Lab: All Laboratories				Tur	nor Inciden			Animal Groups				Report Da	te: 08/03/2	016
Species: MICE						Route: INH	-							
Strain: B6C3F1						Vehicle	: AIR							
Length of Study: CHRONIC														
					Male						I	Female		
#Uterus: Leiomyoma														
Loiomyonia									0/50	(0%)	0/50	(0%)	0/50	(0%)
									1/50	(2%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total	1/300 (0			0.33%	SD 0	.82%
#Uterus: Polyp Stromal														
									4/50	(8%)	0/50	(0%)	2/50	(4%)
Overall Incidence								Tatal	0/50	(0%)	1/50	(2%)	0/50	(0%)
								Total	7/300 (2	.33%)	wear	2.33%	SD 3	3.Z%
#Uterus: Sarcoma Stromal														
									0/50	(0%)	0/50	(0%)	0/50	(0%)
									0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence								Total	0/300 (an 0%	SD	
#Uterus: Sarcoma Stromal or Polyp Stro	mal													
									4/50	(8%)	0/50	(0%)	2/50	(4%)
									0/50	(0%)	1/50	(2%)	0/50	(0%)
Overall Incidence								Total	7/300 (2	.33%)	Mean	2.33%	SD 3	3.2%
#Zymbal's Gland: Carcinoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence T	otal	0/300 (0%	•	Mean		SD 0%		Total	0/300 (,		an 0%	SD	

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Manage ce for Selected C Route: INHALA Vehicle: Alf		Page: 102 Report Date: 08/03/2016			
			Male				Female		
#Zymbal's Gland: Carcinoma or Adenoma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0% 0/50 (0%	,	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence *: Denominator is number of animals	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%	

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	059601406	09/26/06	730	50(1)	25(660)	55.9	Water disinfection byproducts (Bromodichloroacetic Acid)
					Female		
Battelle Columbus Laboratory	059601406	09/25/06	729	50(5)	30(680)	63.5	Water disinfection byproducts (Bromodichloroacetic Acid)

Version: Aug2016 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: ORAL Vehicle: WATER					Page: 104 Report Date: 08/03/2016			
			Male				Female			
#All Organs: Benign Tumors		43/50 (86%)			36/50 (72%)					
Overall Incidence	Total	43/50 (86%)	Mean 86%	SD 0%	Total	36/50 (72%)	Mean 72%	SD 0%		
#All Organs: Malignant Tumors		30/50 (60%)				31/50 (62%)				
Overall Incidence	Total	30/50 (60%)	Mean 60%	SD 0%	Total	31/50 (62%)	Mean 62%	SD 0%		
#All Organs: Malignant and Benign Tun Overall Incidence		48/50 (96%) 48/50 (96%)	Mean 96%	SD 0%	Total	45/50 (90%) 45/50 (90%)	Mean 90%	SD 0%		
#All Organs: 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%		
#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 Hem		5/50 (10%)				6/50 (12%)				
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	6/50 (12%)	Mean 12%	SD 0%		
*: Denominator is number of anima										

Version: Aug2016 Contract/Lab: All Laboratorie: Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	5		Toxic Tumor Incide	Page: 105 Report Date: 08/03/2016						
			Male				Female			
#All Organs: Histiocytic Sarcoma		1/50 (2%)				2/50 (4%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%		
#All Organs: Malignant Lymphoma: His						6/50 (12%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	6/50 (12%)	Mean 12%	SD 0%		
#All Organs: Mesothelioma: Benign, Ma Overall Incidence		1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Mesothelioma: Malignant Overall Incidence	Total	· · ·	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Osteoma		0/50 (0%)				1/50 (2%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
#All Organs: Osteosarcoma or Osteom		0/50 (0%)				1/50 (2%)				
		0/00 (0/0)				1/00 (2/0)				

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	5		Toxic Tumor Incide	Page: 106 Report Dat	e: 08/03/2016				
			Male				Female		
*Adrenal Cortex: Adenoma		2/50 (4%)			0/49 (0%)				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%	
*Adrenal Medulla: Pheochromocytoma Beniç		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: Beni Overall Incidence			Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
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%	
[#] Blood Vessel: Hemangiosarcoma		0/50 (0%)				0/50 (0%)			
		0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
	Total	. ,							
Overall Incidence Bone Marrow: Hemangiosarcoma		. ,				0/50 (0%)			

Version: Aug2016 Contract/Lab: All Laboratorie Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				blogy Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	rol Animal Groups		Page: 107 Report Date: 08/03/2016		
			Male				Female		
*Bone Marrow: Mast Cell Tumor Malignar		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: 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: Osteoma		0/50 (0%)		CD 00/		1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Bone: Osteosarcoma or Osteon	na	0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Bone: Sarcoma									
Overall Incidence		0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	

Version: Aug2016 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: 108 Report Date: 08/03/2016	
		Male				Female		
*Brain: Granular Cell Tumor Benigr Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
		0/30 (078)		30 0%	i otai	0/49 (078)		
*Brain: Meningioma Malignant		1/50 (2%)				0/49 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Brain: Meningioma: Benign, Malig Overall Incidence		1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
#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		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Eye: Melanoma Malignant		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 109 Report Dat	e: 08/03/2016
			Male				Female	
#Harderian Gland: Adenoma		C/EQ (400/)				E/E0 (10%)		
Overall Incidence	Total	6/50 (12%) 6/50 (12%)	Mean 12%	SD 0%	Total	5/50 (10%) 5/50 (10%)	Mean 10%	SD 0%
#Harderian 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%
#Harderian Gland: Carcinoma or Adenoma		6/50 (12%)				5/50 (10%)		
Overall Incidence	Total	6/50 (12%)	Mean 12%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%
'Heart: 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%
#Intestine Large: Cecum: Carcinoma						0/50 /00/`		
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Large: Cecum: Carcinoma or Adenoma								
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 110 Report Dat	e: 08/03/2016
			Male	······································			Female	
#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		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 Small: Duodenum: Carcinoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Polyp Adenomatous		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%)	Mean 0%	SD 0%	Total	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%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contro Route: ORAL Vehicle: WATER		Page: 111 Report Date: 08/03/2016		
			Male				Female	
#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		4/50 (20()				0/50 (0%)		
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyosarcoma 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 Unspeci Adenoma						0/50 (00/)		
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspeci Carcinoma								
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 Unspeci Carcinoma or Adenoma						0/50 (09/)		
Overall Incidence	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratori Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 112 Report Dat	e: 08/03/2016
			Male				Female	
#Intestine Small: Site Unsp Leiomyosarcoma	pecified:	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: Site Unsp Polyp Adenomatous		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 Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: 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%
*Kidney: Pelvis and Transi Carcinoma		m:						
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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicc Tumor Incide		Page: 113 Report Date: 08/03/2016			
			Male				Female	
*Kidney: Pelvis and Transition Carcinoma or Adenoma	al Epitheliur	im: 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: Adenoma								
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: 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%
*Liver: Cholangiocarcinoma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Liver: Hemangioma		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER			Page: 114 Report Date	e: 08/03/2016
			Male				Female	
*Liver: Hemangiosarcoma		1/50 (2%)				2/49 (4%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	2/49 (4.08%)	Mean 4.08%	SD 0%
*Liver: Hepatoblastoma		4/50 (8%)				0/49 (0%)		
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Adenoma Overall Incidence	Total	39/50 (78%) 39/50 (78%)	Mean 78%	SD 0%	Total	33/49 (67%) 33/49 (67.35%)	Mean 67.35%	SD 0%
*Liver: Hepatocellular Carcinoma Overall Incidence	Total	12/50 (24%) 12/50 (24%)	Mean 24%	SD 0%	Total	9/49 (18%) 9/49 (18.37%)	Mean 18.37%	SD 0%
*Liver: Hepatocellular Carcinoma o		astoma						
Overall Incidence	Total	15/50 (30%) 15/50 (30%)	Mean 30%	SD 0%	Total	9/49 (18%) 9/49 (18.37%)	Mean 18.37%	SD 0%
*Liver: Hepatocellular Carcinoma o		llular Adenoma 42/50 (84%)				36/49 (73%)		
Overall Incidence	Total	42/50 (84%)	Mean 84%	SD 0%	Total	36/49 (73.47%)	Mean 73.47%	SD 0%
*: Denominator is number of animals #: Denominator is number of animals		examined microscopically						

Version: Aug2016 Contract/Lab: All Laboratorie Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	25		Toxico Tumor Incide	Page: 115 Report Date: 08/03/2016				
			Male				Female	
*Liver: Hepatocellular Carcinoma	a, Hepatocellu	llar Adenoma, or Hepatol 42/50 (84%)	blastoma			36/49 (73%)		
Overall Incidence	Total	42/50 (84%)	Mean 84%	SD 0%	Total	36/49 (73.47%)	Mean 73.47%	SD 0%
*Liver: Hepatocholangiocarcinor		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Liver: Mast Cell Tumor Maligna		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
^t Lung: Alveolar/Bronchiolar Ade		13/50 (26%)				3/50 (6%)		
Overall Incidence	Total	13/50 (26%)	Mean 26%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%
*Lung: Alveolar/Bronchiolar Card						2/50 (49()		
Overall Incidence	Total	7/50 (14%) 7/50 (14%)	Mean 14%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%
*Lung: Alveolar/Bronchiolar Card		eolar/Bronchiolar Adeno 19/50 (38%)				. ,		
Overall Incidence	Total	19/50 (38%)	Mean 38%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%
*: Denominator is number of anim #: Denominator is number of anim		examined microscopically						

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				Page: 116 Report Date: 08/03/2016				
			Male				Female	
*Lung: Hemangiosarcoma	Tatal	0/50 (0%)	Maaa 00/		Tetel	0/50 (0%)	Maga 00/	00.0%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node: 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%
#Lymph Node, Mandibular: 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%
#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: 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%
#Lymph Node, Mesenteric: 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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 117 Report Dat	ae: 08/03/2016
			Male				Female	
#Mammary Gland: Adenoma		0/50 (00/)				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%
#Mammary Gland: Carcinoma		0/50 (00/.)						
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Mammary Gland: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma or /		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	rcinoma, or	Adenoma 0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Mesentery: 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%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER			Page: 118 Report Dat	e: 08/03/2016
			Male				Female	
#Mesentery: 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%
#Mesentery: Lipoma		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	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: Polyp		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa, To Papilloma Squamous or Pa	ongue, 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 Mucosa, To Squamous Cell Carcinoma		/nx, Tooth, Gingiva):						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
	Total	0/50 (0%)		0% עפ	1 Ulai	0/30 (0%)		עט עט

Version: Aug2016 Contract/Lab: All Laborator Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 119 Report Dat	e: 08/03/2016
			Male				Female	
#Oral Cavity (Oral Mucosa Squamous Cell Carcinor						0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Oral Mucosa: Squamous Cell Carcinor	na	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: Cystadenocarcinoma						0/50 (0%)		
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Cystadenoma								
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
*Ovary: Granulosa Cell Tumor B	enign							
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor M	alignant							
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management S Tumor Incidence for Selected Control Ar Route: ORAL Vehicle: WATER		Page: 120 Report Dat	e: 08/03/2016	
	Male			Female	
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa-Theca Tumor Malignant					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Hemangiosarcoma			0/50 (0%)	Mean 0%	SD 0%
Overall Incidence Ovary: Luteoma		Total	0/50 (0%)	Mean 0%	50 0%
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
'Ovary: Sarcoma					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
'Ovary: Tubulostromal Adenoma			0/50 (0%)		
Overall Incidence *: Denominator is number of animals with tissues examined micro	scopically	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Cont Route: ORAL Vehicle: WATER	-		Page: 121 Report Date: 08/				
			Male			Female					
*Ovary: Yolk Sac Carcinoma											
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Parathyroid Gland: Adenoma											
Overall Incidence	Total	0/44 (0%) 0/44 (0%)	Mean 0%	SD 0%	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%			
Pituitary Gland: Pars Distalis Adenoma											
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	2/49 (4%) 2/49 (4.08%)	Mean 4.08%	SD 0%			
Pituitary Gland: Pars Distalis Carcinoma		fied Site:									
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 Distalis Carcinoma or Adenoma											
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	2/49 (4%) 2/49 (4.08%)	Mean 4.08%	SD 0%			
Pituitary Gland: Pars Interme 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%			

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC					logy Data Manageme nce for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 122 Report Date	e: 08/03/2016
				Male				Female	
*Pituitary Gland: Pars Interme Carcinoma	dia:	0/50 //	00()				0/40 (00/)		
Overall Incidence	Total	0/50 (0%)	0%) Me	an 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Interme Carcinoma or Adenoma							0/40 (00/)		
Overall Incidence	Total	0/50 (0 0/50 (0%)	0%) Me	an 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Interme Schwannoma Malignant		0/50 ((0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)		an 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Salivary Glands: Adenoma		0/50 ((0%)				0/48 (0%)		
Overall Incidence	Total	0/50 (0%)	Me	an 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma		0/50 ((0%)				0/48 (0%)		
Overall Incidence	Total	0/50 (0%)	,	an 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma or Adenoma		0/50 ((0%)				0/48 (0%)		
Overall Incidence	Total	0/50 (0%)	,	an 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 123 Report Dat	e: 08/03/2016
			Male				Female	
*Salivary Glands: Hemangiosarcoma	Tatal	0/50 (0%)	Mara 00(05.0%	T .(.)	0/48 (0%)	Marca 60/	05.0%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
*Salivary Glands: Myxosarcoma	Tatal	0/50 (0%)	Maga 00/		Tatal	0/48 (0%)	Maga 00(
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%
#Seminal Vesicle: Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: 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%
#Skeletal Muscle: Rhabdomyosarcoma		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 or Rh						0/50 (0%)		
Overall Incidence *: Denominator is number of animals #: Denominator is number of animals	s with tissues ex	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	rol Animal Groups		Page: 124 Report Dat	:e: 08/03/2016
			Male				Female	
#Skeletal Muscle: 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%
#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%
#Skin: Basal Cell Carcinoma or Bas Overall Incidence	Total	s Tumor (malignant or N 0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma, Basa NOS), or Trichoepithelioma						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 Carcinoma Adenoma, Papilloma, Sq Pa	ı, Carcinom	a, Basosq. Tumor (M or F ratoacanthoma, Trichoer 0/50 (0%)	3), Basal Cell Adeno			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Fibroma, Fibrosarcoma, Sar						4/50 (8%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%
*: Denominator is number of animals #: Denominator is number of animals	with tissues e							

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 125 Report Dat	æ: 08/03/2016
			Male				Female	
#Skin: 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%
		0/30 (078)				. ,		30 0%
*Skin: Fibrosarcoma, Sarcoma, M	yxosarcoma	, or Fibrous Histiocytoma 1/50 (2%)	3			4/50 (8%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%
¥Skin: Fibrous Histiocytoma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	3/50 (6%) 3/50 (6%)	Mean 6%	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	1/50 (2%)	Mean 2%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
≮Skin: Keratoacanthoma								
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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER			Page: 126 Report Dat	e: 08/03/2016
			Male			Female		
#Skin: Lipoma		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: Melanoma 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: 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%
#Skin: Neurofibrosarcoma or Schw Overall Incidence			Mean 0%	SD 0%	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%
						0,00 (0,0)		
#Skin: Neurofibrosarcoma, Neurofi	broma, or S	Schwannoma (benign, ma 0/50 (0%)	lignant or NOS)			3/50 (6%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%
#Skin: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
*: Denominator is number of animals								

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 127 Report Da	te: 08/03/2016
			Male				Female	
#Skin: Schwannoma Malignant		0/50 (0%)				3/50 (6%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%
#Skin: Squamous Cell Carcinoma, or Carcinoma	Basal Cell (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, I						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, I		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 animals		xamined microscopically						

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER			Page: 128 Report Dat	e: 08/03/2016
			Male				Female	
*Spleen: Hemangiosarcoma Overall Incidence	Total	2/50 (4%)	Moon 49/	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
	10tai	2/50 (4%)	Mean 4%	50 0%	TOLAI	0/49 (0%)	wean 0%	50 0%
*Spleen: Mast Cell Tumor Malignant		0/50 (0%)				0/49 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma Overall Incidence		0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Totol	0/50 (0%) 0/50 (0%)	Moon 0%	SD 0%
	Total	0/50 (0%)		50 0%	Total	0/50 (0%)	Mean 0%	50 0%
#Stomach, Forestomach: Squamous Cell Carcinoma	or Papilloma	a Squamous 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 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%
#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%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER			Page: 129 Report Dat	e: 08/03/2016
			Male				Female	
#Stomach, Glandular: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		25.00
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Testes: Adenoma		1/50 (2%)						
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%				
*Thymus: Neoplasm NOS Overall Incidence	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Benign Overall Incidence	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS		0/45 (0%)				0/50 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malignar	nt, NOS	0/45 (0%)				0/50 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*: Denominator is number of animals	with tissues e							

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicology Data Management SystemPagTumor Incidence for Selected Control Animal GroupsRepRoute: ORALVehicle: WATER					
			Male			Female		
*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 Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
Thyroid Gland: Follicular Cell Adenoma		1/50 (2%)				0/49 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Thyroid Gland: Follicular Cell Carcinoma or Adenoma		1/50 (2%)				0/49 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma o		a Squamous						
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: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: ORAL Vehicle: WATER	-		Page: 131 Report Dat	æ: 08/03/2016
			Male				Female	
#Tongue: 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%
#Tooth: Odontoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Urethra: 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%
*Urinary Bladder: 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%
#Uterus: Adenoma						0/50 (0%)		
Overall Incidence					Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus: Granular Cell Tumor Benig						0/60 (0%)		
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

Version: Aug2016 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1	Toxicology Data Management Tumor Incidence for Selected Control A Route: ORAL Vehicle: WATER	Page: 132 Report Dat	e: 08/03/2016			
Length of Study: CHRONIC						
	Male	Female				
#Uterus:						
Hemangioma			0/50 (0%)			
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%	
#Uterus:						
Hemangiosarcoma			1/50 (20/)			
Overall Incidence		Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
#Uterus:					••••••	
Leiomyoma						
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus:						
Polyp Stromal						
			4/50 (8%)			
Overall Incidence		Total	4/50 (8%)	Mean 8%	SD 0%	
#Uterus:						
Sarcoma Stromal			0/50 (0%)			
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%	
#Uterus:						
Sarcoma Stromal or Polyp Stromal						
			4/50 (8%)		22 3 3	
Overall Incidence		Total	4/50 (8%)	Mean 8%	SD 0%	

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		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%