



National Toxicology Program
Department of Health and Human Services

NTP Historical Controls Report

All Routes and Vehicles

MICE

August 2016

REPORT DESCRIPTION

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

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

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

Male

M1

M2

M3

M4

M5

Female

F1

F2

F3

F4

F5

the data would be shown as:

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

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

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

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: ALL ROUTES
 Vehicle: ALL VEHICLES

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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 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 Columbus Laboratory	052020304	07/10/07	730	50(1)	33(694)	52.6	Green Tea Extract
Battelle Columbus Laboratory	052000604	04/03/07	730	50(1)	26(663)	55.6	Indole-3-carbinol
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
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
Battelle Columbus Laboratory	059601406	09/26/06	730	50(1)	25(660)	55.9	Water disinfection byproducts (Bromodichloroacetic Acid)
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 Columbus Laboratory	052020304	07/09/07	729	50(5)	34(665)	62.9	Green Tea Extract
Battelle Columbus Laboratory	052000604	04/02/07	729	50(5)	33(702)	66.6	Indole-3-carbinol
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
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
Battelle Columbus Laboratory	059601406	09/25/06	729	50(5)	30(680)	63.5	Water disinfection byproducts (Bromodichloroacetic Acid)

NOTE: The text on page 2 ("Report Description") describes how the studies listed here are displayed on the data pages that follow.

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

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		Male				Female			
#All Organs:									
Benign Tumors									
		37/50 (74%)	22/50 (44%)	35/50 (70%)	25/50 (50%)	15/50 (30%)	29/50 (58%)		
		43/50 (86%)	33/50 (66%)	39/50 (78%)	20/50 (40%)	17/50 (34%)	26/50 (52%)		
		32/50 (64%)	32/50 (64%)	30/50 (60%)	23/50 (46%)	24/50 (48%)	24/50 (48%)		
		38/50 (76%)	43/50 (86%)		22/50 (44%)	36/50 (72%)			
Overall Incidence	Total	384/550 (69.82%)	Mean 69.82%	SD 12.21%	Total	261/550 (47.45%)	Mean 47.45%	SD 11.39%	
.....									
#All Organs:									
Malignant Tumors									
		25/50 (50%)	27/50 (54%)	36/50 (72%)	25/50 (50%)	24/50 (48%)	31/50 (62%)		
		28/50 (56%)	27/50 (54%)	26/50 (52%)	18/50 (36%)	19/50 (38%)	30/50 (60%)		
		32/50 (64%)	25/50 (50%)	27/50 (54%)	27/50 (54%)	24/50 (48%)	16/50 (32%)		
		21/50 (42%)	30/50 (60%)		18/50 (36%)	31/50 (62%)			
Overall Incidence	Total	304/550 (55.27%)	Mean 55.27%	SD 7.91%	Total	263/550 (47.82%)	Mean 47.82%	SD 11.04%	
.....									
#All Organs:									
Malignant and Benign Tumors									
		45/50 (90%)	37/50 (74%)	45/50 (90%)	35/50 (70%)	34/50 (68%)	40/50 (80%)		
		49/50 (98%)	48/50 (96%)	46/50 (92%)	29/50 (58%)	30/50 (60%)	41/50 (82%)		
		42/50 (84%)	44/50 (88%)	40/50 (80%)	38/50 (76%)	38/50 (76%)	34/50 (68%)		
		47/50 (94%)	48/50 (96%)		32/50 (64%)	45/50 (90%)			
Overall Incidence	Total	491/550 (89.27%)	Mean 89.27%	SD 7.39%	Total	396/550 (72%)	Mean 72%	SD 9.8%	
.....									
#All Organs:									
Hemangioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		2/50 (4%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	5/550 (0.91%)	Mean 0.91%	SD 1.64%	Total	4/550 (0.73%)	Mean 0.73%	SD 1.01%	

*: 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

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

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		Male				Female			
#All Organs:									
Hemangiosarcoma									
		2/50 (4%)	1/50 (2%)	7/50 (14%)	4/50 (8%)	0/50 (0%)	3/50 (6%)		
		5/50 (10%)	4/50 (8%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	3/50 (6%)		
		0/50 (0%)	2/50 (4%)	1/50 (2%)	2/50 (4%)	3/50 (6%)	0/50 (0%)		
		1/50 (2%)	5/50 (10%)		1/50 (2%)	6/50 (12%)			
Overall Incidence	Total	29/550 (5.27%)	Mean 5.27%	SD 4.5%	Total	24/550 (4.36%)	Mean 4.36%	SD 3.78%	
.....									
#All Organs:									
Hemangiosarcoma or Hemangioma									
		2/50 (4%)	1/50 (2%)	7/50 (14%)	4/50 (8%)	0/50 (0%)	3/50 (6%)		
		7/50 (14%)	4/50 (8%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	3/50 (6%)		
		0/50 (0%)	2/50 (4%)	1/50 (2%)	3/50 (6%)	3/50 (6%)	1/50 (2%)		
		3/50 (6%)	5/50 (10%)		2/50 (4%)	6/50 (12%)			
Overall Incidence	Total	34/550 (6.18%)	Mean 6.18%	SD 4.77%	Total	28/550 (5.09%)	Mean 5.09%	SD 3.27%	
.....									
#All Organs:									
Histiocytic Sarcoma									
		1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)		
		0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)	4/50 (8%)	2/50 (4%)	1/50 (2%)		
		0/50 (0%)	1/50 (2%)		1/50 (2%)	2/50 (4%)			
Overall Incidence	Total	7/550 (1.27%)	Mean 1.27%	SD 1.35%	Total	18/550 (3.27%)	Mean 3.27%	SD 2.24%	
.....									
#All Organs:									
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type									
		4/50 (8%)	6/50 (12%)	4/50 (8%)	7/50 (14%)	9/50 (18%)	14/50 (28%)		
		4/50 (8%)	3/50 (6%)	3/50 (6%)	7/50 (14%)	6/50 (12%)	18/50 (36%)		
		6/50 (12%)	6/50 (12%)	5/50 (10%)	10/50 (20%)	9/50 (18%)	7/50 (14%)		
		3/50 (6%)	0/50 (0%)		9/50 (18%)	6/50 (12%)			
Overall Incidence	Total	44/550 (8%)	Mean 8%	SD 3.58%	Total	102/550 (18.55%)	Mean 18.55%	SD 7.38%	

*: 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

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

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		Male				Female									
#All Organs:															
Mesothelioma: Benign, Malignant, 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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)				
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total		0/550 (0%)		Mean 0%		SD 0%	
.....															
#All Organs:															
Mesothelioma: Malignant															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	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	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total		0/550 (0%)		Mean 0%		SD 0%	
.....															
#All Organs:															
Osteoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total		1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....															
#All Organs:															
Osteosarcoma or Osteoma															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/50	(0%)			0/50	(0%)	1/50	(2%)				
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total		1/550 (0.18%)		Mean 0.18%		SD 0.6%	

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

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		Male				Female			
*Adrenal Cortex:									
Adenoma									
		4/49 (8%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		1/49 (2%)	0/50 (0%)	9/49 (18%)	0/49 (0%)	2/49 (4%)	0/49 (0%)		
		3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	2/50 (4%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	23/547 (4.2%)	Mean 4.23%	SD 5.36%	Total	4/546 (0.73%)	Mean 0.73%	SD 1.37%	
.....									
*Adrenal Medulla:									
Pheochromocytoma Benign									
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)		
		0/49 (0%)	0/50 (0%)	1/48 (2%)	0/49 (0%)	0/49 (0%)	1/49 (2%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/49 (0%)		
		0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	2/546 (0.37%)	Mean 0.37%	SD 0.83%	Total	7/546 (1.28%)	Mean 1.28%	SD 1.35%	
.....									
*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%)		
		0/49 (0%)	0/50 (0%)	1/48 (2%)	0/49 (0%)	0/49 (0%)	1/49 (2%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/49 (0%)		
		0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
Overall Incidence	Total	2/546 (0.37%)	Mean 0.37%	SD 0.83%	Total	7/546 (1.28%)	Mean 1.28%	SD 1.35%	
.....									
#Blood Vessel:									
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%)		
		0/50 (0%)	0/50 (0%)	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	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Aug2016
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
 Vehicle: ALL VEHICLES

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		Male				Female							
#Blood Vessel:													
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%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total 1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
*Bone Marrow:													
Hemangiosarcoma													
		0/49	(0%)	0/48	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	1/50	(2%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	3/547 (0.55%)		Mean 0.55%		SD 0.93%		Total 1/548 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
*Bone Marrow:													
Mast Cell Tumor Malignant													
		0/49	(0%)	1/48	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	2/547 (0.37%)		Mean 0.37%		SD 0.83%		Total 1/548 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
*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%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/547 (0%)		Mean 0%		SD 0%		Total 1/548 (0.18%)		Mean 0.18%		SD 0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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

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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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total 1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
#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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total 1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
#Bone:													
Osteosarcoma or Osteoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total 1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
#Bone:													
Sarcoma													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total 1/550 (0.18%)		Mean 0.18%		SD 0.6%	

*: 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

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

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		Male				Female						
*Brain:												
Granular Cell Tumor Benign												
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	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	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/549 (0%)	Mean 0%		SD 0%
.....												
*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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/549 (0%)	Mean 0%		SD 0%
.....												
*Brain:												
Meningioma: Benign, Malignant, 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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/549 (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%)	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	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/550 (0%)	Mean 0%		SD 0%

*: 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

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

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		Male				Female			
#Coagulating Gland:									
Sarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
#Harderian Gland:									
Adenoma									
		6/50 (12%)	3/50 (6%)	6/50 (12%)		3/50 (6%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
		7/50 (14%)	6/50 (12%)	7/50 (14%)		2/50 (4%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
		4/50 (8%)	5/50 (10%)	5/50 (10%)		1/50 (2%)	2/50 (4%)	9/50 (18%)	
		7/50 (14%)	6/50 (12%)			2/50 (4%)	5/50 (10%)		
Overall Incidence	Total	62/550 (11.27%)	Mean 11.27%	SD 2.57%	Total	35/550 (6.36%)	Mean 6.36%	SD 4.37%	
.....									
#Harderian Gland:									
Carcinoma									
		1/50 (2%)	0/50 (0%)	2/50 (4%)		4/50 (8%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	5/50 (10%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	1/50 (2%)	1/50 (2%)		3/50 (6%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	0/50 (0%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	15/550 (2.73%)	Mean 2.73%	SD 2.72%	Total	12/550 (2.18%)	Mean 2.18%	SD 2.75%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female			
#Harderian Gland:									
Carcinoma or Adenoma									
		7/50 (14%)	3/50 (6%)	8/50 (16%)		7/50 (14%)	4/50 (8%)	3/50 (6%)	
		8/50 (16%)	7/50 (14%)	12/50 (24%)		4/50 (8%)	3/50 (6%)	2/50 (4%)	
		6/50 (12%)	6/50 (12%)	6/50 (12%)		4/50 (8%)	2/50 (4%)	10/50 (20%)	
		8/50 (16%)	6/50 (12%)			3/50 (6%)	5/50 (10%)		
Overall Incidence	Total	77/550 (14%)	Mean 14%	SD 4.38%	Total	47/550 (8.55%)	Mean 8.55%	SD 4.74%	
.....									
*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%)	
		0/50 (0%)	0/50 (0%)	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	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	0/550 (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%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
#Intestine Large: Cecum:									
Carcinoma or Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female			
#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%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	

#Intestine Small: Duodenum:									
Adenoma									
		2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	9/550 (1.64%)	Mean 1.64%	SD 1.75%	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	

#Intestine Small: Duodenum:									
Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	

*: 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

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

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		Male				Female			
#Intestine Small: 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%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#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%)	
		0/50 (0%)	0/50 (0%)	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	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#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%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	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	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	0/550 (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%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	6/550 (1.09%)	Mean 1.09%	SD 1.38%	Total	0/550 (0%)	Mean 0%	SD 0%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female			
#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%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/550 (0%)	Mean 0%	SD 0%	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	
#Intestine Small: Site Unspecified:									
Adenoma									
		2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	12/550 (2.18%)	Mean 2.18%	SD 2.09%	Total	3/550 (0.55%)	Mean 0.55%	SD 0.93%	
#Intestine Small: Site Unspecified:									
Carcinoma									
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	7/550 (1.27%)	Mean 1.27%	SD 1.62%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
#Intestine Small: Site Unspecified:									
Carcinoma or Adenoma									
		3/50 (6%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		2/50 (4%)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	19/550 (3.45%)	Mean 3.45%	SD 2.21%	Total	4/550 (0.73%)	Mean 0.73%	SD 1.01%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female					
#Intestine Small: Site Unspecified:											
Leiomyosarcoma											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total		2/550 (0.36%)	
								Mean		0.36%	
								SD		0.81%	
.....											
#Intestine Small: Site Unspecified:											
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%)	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	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total		0/550 (0%)	
								Mean		0%	
								SD		0%	
.....											
*Islets, Pancreatic:											
Adenoma											
		0/49	(0%)	0/48	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)
		1/50	(2%)	1/50	(2%)	2/50	(4%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	6/546 (1.1%)		Mean 1.09%		SD 1.38%		Total		3/548 (0.55%)	
								Mean		0.55%	
								SD		0.93%	
.....											
*Islets, Pancreatic:											
Carcinoma											
		0/49	(0%)	0/48	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
Overall Incidence	Total	1/546 (0.18%)		Mean 0.18%		SD 0.6%		Total		0/548 (0%)	
								Mean		0%	
								SD		0%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female			
*Islets, Pancreatic:									
 Carcinoma or Adenoma									
		0/49 (0%)	0/48 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	7/546 (1.28%)	Mean 1.27%	SD 1.62%	Total	3/548 (0.55%)	Mean 0.55%	SD 0.93%	
.....									
*Kidney: Pelvis and Transitional Epithelium:									
 Carcinoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	0/549 (0%)	Mean 0%	SD 0%	Total	1/549 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
*Kidney: Pelvis and Transitional Epithelium:									
 Carcinoma or Adenoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	0/549 (0%)	Mean 0%	SD 0%	Total	1/549 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
*Kidney: Renal Tubule:									
 Adenoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/549 (0.55%)	Mean 0.55%	SD 1.29%	Total	1/549 (0.18%)	Mean 0.18%	SD 0.6%	

*: 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

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

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		Male				Female			
*Kidney: Renal Tubule: Carcinoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/549 (0.36%)	Mean 0.36%	SD 1.21%	Total	1/549 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
*Kidney: Renal Tubule: Carcinoma or Adenoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		3/50 (6%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	2/50 (4%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	5/549 (0.91%)	Mean 0.91%	SD 2.07%	Total	2/549 (0.36%)	Mean 0.36%	SD 0.81%	
.....									
*Liver: Cholangiocarcinoma									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/549 (0%)	Mean 0%	SD 0%	
.....									
*Liver: Hemangioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	4/550 (0.73%)	Mean 0.73%	SD 1.62%	Total	0/549 (0%)	Mean 0%	SD 0%	

*: 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

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

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		Male				Female			
*Liver:									
Hemangiosarcoma									
		0/50 (0%)	0/50 (0%)	4/50 (8%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
		3/50 (6%)	4/50 (8%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)	2/49 (4%)		
Overall Incidence	Total	12/550 (2.18%)	Mean 2.18%	SD 3.4%	Total	5/549 (0.91%)	Mean 0.92%	SD 1.66%	
.....									
*Liver:									
Hepatoblastoma									
		2/50 (4%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	4/50 (8%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	18/550 (3.27%)	Mean 3.27%	SD 2.41%	Total	3/549 (0.55%)	Mean 0.55%	SD 0.93%	
.....									
*Liver:									
Hepatocellular Adenoma									
		30/50 (60%)	17/50 (34%)	28/50 (56%)		11/50 (22%)	6/50 (12%)	19/50 (38%)	
		35/50 (70%)	26/50 (52%)	24/50 (48%)		12/50 (24%)	7/50 (14%)	14/50 (28%)	
		23/50 (46%)	25/50 (50%)	23/50 (46%)		9/50 (18%)	12/50 (24%)	5/50 (10%)	
		32/50 (64%)	39/50 (78%)			13/50 (26%)	33/49 (67%)		
Overall Incidence	Total	302/550 (54.91%)	Mean 54.91%	SD 12.44%	Total	141/549 (25.68%)	Mean 25.76%	SD 15.94%	
.....									
*Liver:									
Hepatocellular Carcinoma									
		15/50 (30%)	17/50 (34%)	25/50 (50%)		6/50 (12%)	5/50 (10%)	10/50 (20%)	
		15/50 (30%)	12/50 (24%)	11/50 (22%)		5/50 (10%)	6/50 (12%)	10/50 (20%)	
		21/50 (42%)	8/50 (16%)	18/50 (36%)		7/50 (14%)	7/50 (14%)	4/50 (8%)	
		11/50 (22%)	12/50 (24%)			2/50 (4%)	9/49 (18%)		
Overall Incidence	Total	165/550 (30%)	Mean 30%	SD 9.96%	Total	71/549 (12.93%)	Mean 12.94%	SD 5.05%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female			
*Liver:									
Hepatocellular Carcinoma or Hepatoblastoma									
		16/50 (32%)	18/50 (36%)	27/50 (54%)	6/50 (12%)	6/50 (12%)	10/50 (20%)		
		17/50 (34%)	15/50 (30%)	11/50 (22%)	5/50 (10%)	6/50 (12%)	10/50 (20%)		
		21/50 (42%)	9/50 (18%)	18/50 (36%)	7/50 (14%)	7/50 (14%)	4/50 (8%)		
		12/50 (24%)	15/50 (30%)		2/50 (4%)	9/49 (18%)			
Overall Incidence	Total	179/550 (32.55%)	Mean 32.55%	SD 9.92%	Total	72/549 (13.11%)	Mean 13.12%	SD 4.97%	
.....									
*Liver:									
Hepatocellular Carcinoma or Hepatocellular Adenoma									
		39/50 (78%)	31/50 (62%)	38/50 (76%)	14/50 (28%)	11/50 (22%)	25/50 (50%)		
		40/50 (80%)	35/50 (70%)	32/50 (64%)	14/50 (28%)	12/50 (24%)	20/50 (40%)		
		34/50 (68%)	30/50 (60%)	31/50 (62%)	15/50 (30%)	18/50 (36%)	8/50 (16%)		
		39/50 (78%)	42/50 (84%)		15/50 (30%)	36/49 (73%)			
Overall Incidence	Total	391/550 (71.09%)	Mean 71.09%	SD 8.46%	Total	188/549 (34.24%)	Mean 34.32%	SD 15.89%	
.....									
*Liver:									
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma									
		39/50 (78%)	32/50 (64%)	39/50 (78%)	14/50 (28%)	12/50 (24%)	25/50 (50%)		
		40/50 (80%)	36/50 (72%)	32/50 (64%)	14/50 (28%)	12/50 (24%)	20/50 (40%)		
		34/50 (68%)	31/50 (62%)	31/50 (62%)	15/50 (30%)	18/50 (36%)	8/50 (16%)		
		39/50 (78%)	42/50 (84%)		15/50 (30%)	36/49 (73%)			
Overall Incidence	Total	395/550 (71.82%)	Mean 71.82%	SD 8.12%	Total	189/549 (34.43%)	Mean 34.5%	SD 15.75%	
.....									
*Liver:									
Hepatocholangiocarcinoma									
		1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	5/550 (0.91%)	Mean 0.91%	SD 1.87%	Total	1/549 (0.18%)	Mean 0.18%	SD 0.6%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female			
*Liver:									
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%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
Overall Incidence	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/549 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
*Lung:									
Alveolar/Bronchiolar Adenoma									
		10/50 (20%)	5/50 (10%)	7/50 (14%)		1/50 (2%)	3/50 (6%)	3/49 (6%)	
		12/50 (24%)	4/50 (8%)	5/50 (10%)		5/50 (10%)	1/50 (2%)	1/50 (2%)	
		6/50 (12%)	11/50 (22%)	5/50 (10%)		4/50 (8%)	5/50 (10%)	1/50 (2%)	
		6/50 (12%)	13/50 (26%)			5/50 (10%)	3/50 (6%)		
Overall Incidence	Total	84/550 (15.27%)	Mean 15.27%	SD 6.47%	Total	32/549 (5.83%)	Mean 5.83%	SD 3.4%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma									
		4/50 (8%)	5/50 (10%)	11/50 (22%)		2/50 (4%)	3/50 (6%)	5/49 (10%)	
		2/50 (4%)	4/50 (8%)	8/50 (16%)		1/50 (2%)	2/50 (4%)	4/50 (8%)	
		10/50 (20%)	6/50 (12%)	5/50 (10%)		5/50 (10%)	0/50 (0%)	0/50 (0%)	
		4/50 (8%)	7/50 (14%)			1/50 (2%)	2/50 (4%)		
Overall Incidence	Total	66/550 (12%)	Mean 12%	SD 5.51%	Total	25/549 (4.55%)	Mean 4.56%	SD 3.62%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma									
		13/50 (26%)	9/50 (18%)	16/50 (32%)		3/50 (6%)	6/50 (12%)	8/49 (16%)	
		14/50 (28%)	8/50 (16%)	13/50 (26%)		6/50 (12%)	3/50 (6%)	4/50 (8%)	
		14/50 (28%)	17/50 (34%)	10/50 (20%)		9/50 (18%)	5/50 (10%)	1/50 (2%)	
		10/50 (20%)	19/50 (38%)			6/50 (12%)	5/50 (10%)		
Overall Incidence	Total	143/550 (26%)	Mean 26%	SD 6.99%	Total	56/549 (10.2%)	Mean 10.21%	SD 4.64%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female								
*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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	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	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/549 (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%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total	2/550 (0.36%)		Mean 0.36%		SD 0.81%	
.....														
#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%)	
		0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....														
#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%)	
		0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%	

*: 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

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

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 Report Date: 08/03/2016

		Male				Female			
#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%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	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	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#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%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (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%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	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	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	7/550 (1.27%)	Mean 1.27%	SD 1.35%	

*: 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

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

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		Male				Female			
#Mammary Gland:									
Carcinoma or Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	8/550 (1.45%)	Mean 1.45%	SD 1.29%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma 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%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	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	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma, Carcinoma, or Adenoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	8/550 (1.45%)	Mean 1.45%	SD 1.29%	
.....									
#Mesentery:									
Hemangioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	

*: 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

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

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		Male				Female			
#Mesentery:									
Hemangiosarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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%)
Overall Incidence	Total	0/550 (0%)	Mean 0%	SD 0%	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	
.....									
#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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
*Nose:									
Adenoma									
		0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/48 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	0/548 (0%)	Mean 0%	SD 0%	Total	1/548 (0.18%)	Mean 0.19%	SD 0.63%	
.....									
*Nose:									
Polyp									
		0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/548 (0.18%)	Mean 0.19%	SD 0.62%	Total	0/548 (0%)	Mean 0%	SD 0%	

*: 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

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

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		Male				Female			
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Papilloma Squamous or Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	2/550 (0.36%)	Mean 0.36%	SD 1.21%	
.....									
#Oral Mucosa: Squamous Cell Carcinoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	

*: 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

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

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	Male		Female			
*Ovary:						
Cystadenocarcinoma						
		0/50 (0%)	0/49 (0%)	0/48 (0%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/545 (0.18%)	Mean 0.18%		SD 0.6%	
.....						
*Ovary:						
Cystadenoma						
		1/50 (2%)	0/49 (0%)	1/48 (2%)		
		3/50 (6%)	1/50 (2%)	2/50 (4%)		
		1/50 (2%)	2/50 (4%)	2/48 (4%)		
		2/50 (4%)	1/50 (2%)			
Overall Incidence	Total	16/545 (2.94%)	Mean 2.93%		SD 1.65%	
.....						
*Ovary:						
Granulosa Cell Tumor Benign						
		0/50 (0%)	0/49 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)	1/48 (2%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	3/545 (0.55%)	Mean 0.55%		SD 0.95%	
.....						
*Ovary:						
Granulosa Cell Tumor Malignant						
		1/50 (2%)	0/49 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/545 (0.18%)	Mean 0.18%		SD 0.6%	

*: 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

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

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 Report Date: 08/03/2016

	Male		Female			
*Ovary:						
Granulosa Cell Tumor: Benign, Malignant, NOS						
		1/50 (2%)	0/49 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)	1/48 (2%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	4/545 (0.73%)	Mean 0.73%		SD 1.02%	
.....						
*Ovary:						
Granulosa-Theca Tumor Malignant						
		0/50 (0%)	1/49 (2%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	2/545 (0.37%)	Mean 0.37%		SD 0.82%	
.....						
*Ovary:						
Hemangiosarcoma						
		1/50 (2%)	0/49 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/545 (0.18%)	Mean 0.18%		SD 0.6%	
.....						
*Ovary:						
Luteoma						
		0/50 (0%)	0/49 (0%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	2/50 (4%)	0/48 (0%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	3/545 (0.55%)	Mean 0.55%		SD 1.29%	

*: 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

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

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 Report Date: 08/03/2016

					Male		Female						
*Ovary:													
Sarcoma													
					0/50	(0%)	0/49	(0%)	0/48	(0%)			
					1/50	(2%)	0/50	(0%)	0/50	(0%)			
					0/50	(0%)	0/50	(0%)	0/48	(0%)			
					0/50	(0%)	0/50	(0%)					
Overall Incidence					Total 1/545 (0.18%)		Mean 0.18%		SD 0.6%				
.....													
*Ovary:													
Tubulostromal Adenoma													
					0/50	(0%)	0/49	(0%)	0/48	(0%)			
					0/50	(0%)	1/50	(2%)	0/50	(0%)			
					0/50	(0%)	0/50	(0%)	0/48	(0%)			
					0/50	(0%)	0/50	(0%)					
Overall Incidence					Total 1/545 (0.18%)		Mean 0.18%		SD 0.6%				
.....													
*Ovary:													
Yolk Sac Carcinoma													
					0/50	(0%)	0/49	(0%)	1/48	(2%)			
					0/50	(0%)	0/50	(0%)	0/50	(0%)			
					0/50	(0%)	0/50	(0%)	0/48	(0%)			
					0/50	(0%)	0/50	(0%)					
Overall Incidence					Total 1/545 (0.18%)		Mean 0.19%		SD 0.63%				
.....													
*Parathyroid Gland:													
Adenoma													
		0/27	(0%)	0/40	(0%)	0/29	(0%)	0/27	(0%)	0/38	(0%)	0/28	(0%)
		0/41	(0%)	0/48	(0%)	0/34	(0%)	0/35	(0%)	0/43	(0%)	0/26	(0%)
		0/28	(0%)	0/36	(0%)	0/48	(0%)	1/35	(3%)	0/36	(0%)	0/44	(0%)
		0/45	(0%)	0/44	(0%)			0/34	(0%)	0/45	(0%)		
Overall Incidence		Total 0/420 (0%)		Mean 0%		SD 0%		Total 1/391 (0.26%)		Mean 0.26%		SD 0.86%	

*: 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

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

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		Male				Female			
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Adenoma									
		0/49 (0%)	0/50 (0%)	0/47 (0%)		9/49 (18%)	2/49 (4%)	3/47 (6%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	3/49 (6%)	5/50 (10%)	
		1/50 (2%)	0/50 (0%)	0/47 (0%)		8/48 (17%)	4/50 (8%)	5/50 (10%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	2/49 (4%)		
Overall Incidence	Total	2/542 (0.37%)	Mean 0.37%	SD 0.82%	Total	42/541 (7.76%)	Mean 7.79%	SD 5.72%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma									
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/47 (0%)		3/48 (6%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/542 (0%)	Mean 0%	SD 0%	Total	3/541 (0.55%)	Mean 0.57%	SD 1.88%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
Carcinoma or Adenoma									
		0/49 (0%)	0/50 (0%)	0/47 (0%)		9/49 (18%)	2/49 (4%)	3/47 (6%)	
		1/49 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	3/49 (6%)	5/50 (10%)	
		1/50 (2%)	0/50 (0%)	0/47 (0%)		11/48 (23%)	4/50 (8%)	5/50 (10%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	2/49 (4%)		
Overall Incidence	Total	2/542 (0.37%)	Mean 0.37%	SD 0.82%	Total	45/541 (8.32%)	Mean 8.36%	SD 6.88%	
.....									
*Pituitary Gland: Pars Intermedia:									
Adenoma									
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/49 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/47 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/542 (0%)	Mean 0%	SD 0%	Total	1/541 (0.18%)	Mean 0.19%	SD 0.62%	

*: 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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
*Pituitary Gland: Pars Intermedia:									
 Carcinoma									
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	1/49 (2%)	0/47 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/47 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/542 (0%)	Mean 0%	SD 0%	Total	1/541 (0.18%)	Mean 0.19%	SD 0.62%	
.....									
*Pituitary Gland: Pars Intermedia:									
 Carcinoma or Adenoma									
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	1/49 (2%)	0/47 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/49 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/47 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/542 (0%)	Mean 0%	SD 0%	Total	2/541 (0.37%)	Mean 0.37%	SD 0.83%	
.....									
*Pituitary Gland: Pars Intermedia:									
 Schwannoma Malignant									
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/47 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	1/542 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/541 (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%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/48 (0%)		
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/547 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Aug2016
 Contract/Lab: All Laboratories
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		Male				Female								
*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%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/48	(0%)			
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total	1/547 (0.18%)		Mean 0.18%		SD 0.6%	
.....														
*Salivary Glands:														
Carcinoma or Adenoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/48	(0%)			
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	1/547 (0.18%)		Mean 0.18%		SD 0.6%	
.....														
*Salivary Glands:														
Hemangiosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/48	(0%)			
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/547 (0%)		Mean 0%		SD 0%	
.....														
*Salivary Glands:														
Myxosarcoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/49	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/48	(0%)			
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total	1/547 (0.18%)		Mean 0.18%		SD 0.6%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Aug2016
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		Male				Female			
#Seminal Vesicle:									
Adenoma									
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		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	1/550 (0.18%)		Mean 0.18%		SD 0.6%			
.....									
#Skeletal Muscle:									
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%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total	1/550 (0.18%)
								Mean	0.18%
								SD	0.6%
.....									
#Skeletal Muscle:									
Rhabdomyosarcoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	2/50	(4%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	5/550 (0.91%)
								Mean	0.91%
								SD	1.64%
.....									
#Skeletal Muscle:									
Rhabdomyosarcoma or Rhabdomyoma									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	5/550 (0.91%)
								Mean	0.91%
								SD	1.64%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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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%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....														
#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%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total	2/550 (0.36%)		Mean 0.36%		SD 0.81%	
.....														
#Skin:														
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total	2/550 (0.36%)		Mean 0.36%		SD 0.81%	
.....														
#Skin:														
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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	0/550 (0%)		Mean 0%		SD 0%		Total	2/550 (0.36%)		Mean 0.36%		SD 0.81%	

*: 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
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		Male				Female			
#Skin:									
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%	SD 0.6%	3/550 (0.55%)		Mean 0.55%	SD 0.93%

#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)			1/50 (2%)	4/50 (8%)		
Overall Incidence	Total	5/550 (0.91%)		Mean 0.91%	SD 1.04%	12/550 (2.18%)		Mean 2.18%	SD 2.44%

#Skin:									
Fibrosarcoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	2/550 (0.36%)		Mean 0.36%	SD 0.81%	3/550 (0.55%)		Mean 0.55%	SD 0.93%

#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)			1/50 (2%)	4/50 (8%)		
Overall Incidence	Total	5/550 (0.91%)		Mean 0.91%	SD 1.04%	12/550 (2.18%)		Mean 2.18%	SD 2.44%

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

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		Male				Female			
#Skin:									
Fibrous Histiocytoma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)			0/50 (0%)	3/50 (6%)		
Overall Incidence	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	4/550 (0.73%)	Mean 0.73%	SD 1.85%	
.....									
#Skin:									
Hemangioma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Skin:									
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%)	0/50 (0%)	2/50 (4%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)			1/50 (2%)	1/50 (2%)		
Overall Incidence	Total	3/550 (0.55%)	Mean 0.55%	SD 1.29%	Total	5/550 (0.91%)	Mean 0.91%	SD 1.38%	
.....									
#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%)	
		0/50 (0%)	0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Aug2016
 Contract/Lab: All Laboratories
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		Male				Female							
#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%)	2/50	(4%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)		
Overall Incidence	Total	3/550 (0.55%)		Mean 0.55%		SD 1.29%		Total 0/550 (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%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	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	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total 0/550 (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%)
		0/50	(0%)	0/50	(0%)	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	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total 1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
#Skin:													
Neurofibrosarcoma or Schwannoma (malignant 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%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			1/50	(2%)	3/50	(6%)		
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total 4/550 (0.73%)		Mean 0.73%		SD 1.85%	

*: 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

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
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		Male				Female						
#Skin:												
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant 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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	3/50	(6%)	
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total 4/550 (0.73%)		Mean 0.73%		SD 1.85%
.....												
#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%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total 5/550 (0.91%)		Mean 0.91%		SD 1.38%
.....												
#Skin:												
Schwannoma Malignant												
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	3/50	(6%)	
Overall Incidence	Total	0/550 (0%)		Mean 0%		SD 0%		Total 4/550 (0.73%)		Mean 0.73%		SD 1.85%
.....												
#Skin:												
Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or 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%)	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	0/550 (0%)		Mean 0%		SD 0%		Total 2/550 (0.36%)		Mean 0.36%		SD 0.81%

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

Version: Aug2016
 Contract/Lab: All Laboratories
 Species: MICE
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
#Skin:									
Squamous Cell Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Skin:									
Squamous Cell Papilloma or Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Skin:									
Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or 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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Skin:									
Squamous Cell Papilloma, Papilloma, or 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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	

*: 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

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		Male				Female			
*Spleen:									
Hemangiosarcoma									
		2/49 (4%)	0/48 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/49 (4%)		
		2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/49 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		1/50 (2%)	2/50 (4%)		1/50 (2%)	0/49 (0%)			
Overall Incidence	Total	13/546 (2.38%)	Mean 2.37%	SD 1.97%	Total	5/548 (0.91%)	Mean 0.92%	SD 1.39%	
.....									
*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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	0/546 (0%)	Mean 0%	SD 0%	Total	1/548 (0.18%)	Mean 0.19%	SD 0.62%	
.....									
#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%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Stomach, Forestomach:									
Squamous Cell Carcinoma or Papilloma Squamous									
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)		
		1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		5/50 (10%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	12/550 (2.18%)	Mean 2.18%	SD 3.03%	Total	8/550 (1.45%)	Mean 1.45%	SD 1.29%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Aug2016
 Contract/Lab: All Laboratories
 Species: MICE
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 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
#Stomach, Forestomach:									
Squamous Cell Papilloma									
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		5/50 (10%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)		
Overall Incidence	Total	11/550 (2%)	Mean 2%	SD 2.97%	Total	7/550 (1.27%)	Mean 1.27%	SD 1.01%	
.....									
#Stomach, Glandular:									
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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
#Stomach, Glandular:									
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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (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%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	5/548 (0.91%)	Mean 0.91%	SD 1.38%					

*: 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
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		Male				Female			
*Thymus:									
Neoplasm NOS									
		0/41 (0%)	0/43 (0%)	0/42 (0%)		0/47 (0%)	0/47 (0%)	1/46 (2%)	
		0/44 (0%)	0/49 (0%)	0/41 (0%)		0/47 (0%)	0/49 (0%)	0/44 (0%)	
		0/44 (0%)	0/48 (0%)	0/40 (0%)		0/48 (0%)	0/50 (0%)	0/48 (0%)	
		0/47 (0%)	0/45 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/484 (0%)	Mean 0%	SD 0%	Total	1/526 (0.19%)	Mean 0.2%	SD 0.66%	
.....									
*Thymus:									
Thymoma Benign									
		0/41 (0%)	0/43 (0%)	0/42 (0%)		0/47 (0%)	0/47 (0%)	0/46 (0%)	
		0/44 (0%)	1/49 (2%)	0/41 (0%)		0/47 (0%)	0/49 (0%)	0/44 (0%)	
		0/44 (0%)	0/48 (0%)	0/40 (0%)		0/48 (0%)	0/50 (0%)	0/48 (0%)	
		0/47 (0%)	0/45 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/484 (0.21%)	Mean 0.19%	SD 0.62%	Total	0/526 (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%)	
		0/44 (0%)	0/49 (0%)	0/41 (0%)		0/47 (0%)	0/49 (0%)	0/44 (0%)	
		0/44 (0%)	0/48 (0%)	0/40 (0%)		0/48 (0%)	0/50 (0%)	0/48 (0%)	
		0/47 (0%)	0/45 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/484 (0%)	Mean 0%	SD 0%	Total	1/526 (0.19%)	Mean 0.19%	SD 0.64%	
.....									
*Thymus:									
Thymoma: Benign, Malignant, NOS									
		0/41 (0%)	0/43 (0%)	0/42 (0%)		1/47 (2%)	0/47 (0%)	0/46 (0%)	
		0/44 (0%)	1/49 (2%)	0/41 (0%)		0/47 (0%)	0/49 (0%)	0/44 (0%)	
		0/44 (0%)	0/48 (0%)	0/40 (0%)		0/48 (0%)	0/50 (0%)	0/48 (0%)	
		0/47 (0%)	0/45 (0%)			0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/484 (0.21%)	Mean 0.19%	SD 0.62%	Total	1/526 (0.19%)	Mean 0.19%	SD 0.64%	

*: 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
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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		Male				Female			
*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%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	0/548 (0%)	Mean 0%	SD 0%	Total	1/547 (0.18%)	Mean 0.18%	SD 0.6%	

*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%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	0/548 (0%)	Mean 0%	SD 0%	Total	2/547 (0.37%)	Mean 0.36%	SD 0.81%	

*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%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	0/548 (0%)	Mean 0%	SD 0%	Total	3/547 (0.55%)	Mean 0.55%	SD 0.93%	

*Thyroid Gland: Follicular Cell: Adenoma									
		0/49 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	1/50 (2%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	3/548 (0.55%)	Mean 0.55%	SD 0.93%	Total	4/547 (0.73%)	Mean 0.73%	SD 1.01%	

*: 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

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Route: ALL ROUTES
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		Male				Female			
*Thyroid Gland: Follicular Cell:									
 Carcinoma or Adenoma									
		0/49 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)	1/50 (2%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/49 (0%)			
Overall Incidence	Total	3/548 (0.55%)	Mean 0.55%	SD 0.93%	Total	4/547 (0.73%)	Mean 0.73%	SD 1.01%	
.....									
#Tongue:									
 Squamous Cell Carcinoma or Papilloma 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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#Tongue:									
 Squamous Cell Papilloma									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	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	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
#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%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/550 (0.36%)	Mean 0.36%	SD 1.21%	Total	0/550 (0%)	Mean 0%	SD 0%	

*: 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

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

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		Male				Female								
#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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/550 (0%)		Mean 0%		SD 0%	
.....														
*Urinary Bladder:														
Hemangiosarcoma														
		0/50	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/547 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/548 (0%)		Mean 0%		SD 0%	
.....														
#Uterus:														
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%)	1/50	(2%)			
						0/50	(0%)	0/50	(0%)					
Overall Incidence						Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%			
.....														
#Uterus:														
Granular Cell Tumor Benign														
						1/50	(2%)	0/50	(0%)	0/50	(0%)			
						0/50	(0%)	0/50	(0%)	0/50	(0%)			
						0/50	(0%)	0/50	(0%)	0/50	(0%)			
						0/50	(0%)	0/50	(0%)					
Overall Incidence						Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%			

*: 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

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

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 Report Date: 08/03/2016

	Male		Female			
#Uterus:						
Hemangioma						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/550 (0.18%)	Mean	0.18%	SD	0.6%
.....						
#Uterus:						
Hemangiosarcoma						
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	5/550 (0.91%)	Mean	0.91%	SD	1.04%
.....						
#Uterus:						
Leiomyoma						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/550 (0.18%)	Mean	0.18%	SD	0.6%
.....						
#Uterus:						
Polyp Stromal						
		4/50 (8%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	4/50 (8%)			
Overall Incidence	Total	13/550 (2.36%)	Mean	2.36%	SD	3.2%

*: 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

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

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		Male				Female								
#Uterus:														
Sarcoma Stromal														
					0/50	(0%)	0/50	(0%)	0/50	(0%)				
					0/50	(0%)	0/50	(0%)	0/50	(0%)				
					0/50	(0%)	0/50	(0%)	0/50	(0%)				
					2/50	(4%)	0/50	(0%)						
Overall Incidence					Total	2/550	(0.36%)	Mean	0.36%	SD	1.21%			
.....														
#Uterus:														
Sarcoma Stromal or Polyp Stromal														
					4/50	(8%)	0/50	(0%)	2/50	(4%)				
					2/50	(4%)	0/50	(0%)	0/50	(0%)				
					1/50	(2%)	0/50	(0%)	0/50	(0%)				
					2/50	(4%)	4/50	(8%)						
Overall Incidence					Total	15/550	(2.73%)	Mean	2.73%	SD	3.13%			
.....														
#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%)	1/50	(2%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)			0/50	(0%)					
Overall Incidence	Total	1/550	(0.18%)	Mean	0.18%	SD	0.6%	Total	0/550	(0%)	Mean	0%		
												SD	0%	
.....														
#Zymbal's Gland:														
Carcinoma or Adenoma														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
Overall Incidence	Total	1/550	(0.18%)	Mean	0.18%	SD	0.6%	Total	0/550	(0%)	Mean	0%	SD	0%

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