



National Toxicology Program  
Department of Health and Human Services

# NTP Historical Controls Report

## All Routes and Vehicles

### MICE

July 2015

# 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:

	<b>Male</b>			<b>Female</b>		
M1	M2	M3	F1	F2	F3	
M4	M5		F4	F5		

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

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

## Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Battelle Northwest	052060104	10/06/08	729	50(5)	38(708)	52.1	Antimony trioxide
Battelle Northwest	056031106	05/15/06	729	50(5)	39(715)	54.3	Cobalt
Battelle Columbus Laboratory	059903104	03/17/05	726	50(1)	34(687)	54.6	Ginkgo biloba extract
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
Southern Research Institute	052020904	02/25/08	729	50(1)	29(657)	55.3	Pentabromodiphenyl Oxide (Technical) (DE 71)
Battelle Columbus Laboratory	052032004	08/07/07	730	50(1)	33(687)	55.8	Tetrabromobisphenol A
Battelle Northwest	052030306	06/20/05	729	50(5)	29(680)	53.1	Vinylidene Chloride
Battelle Columbus Laboratory	059601406	09/26/06	730	50(1)	25(660)	55.9	Water Disinfection Byproducts: Bromodichloroacetic Acid
<b>Female</b>							
Battelle Northwest	052060104	10/06/08	731	50(5)	36(692)	54.1	Antimony trioxide
Battelle Northwest	056031106	05/15/06	731	50(5)	36(686)	66.7	Cobalt
Battelle Columbus Laboratory	059903104	03/18/05	727	50(5)	31(628)	64.5	Ginkgo biloba extract
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
Southern Research Institute	052020904	02/25/08	731	50(5)	33(679)	57.7	Pentabromodiphenyl Oxide (Technical) (DE 71)
Battelle Columbus Laboratory	052032004	08/06/07	729	50(5)	40(711)	66.5	Tetrabromobisphenol A
Battelle Northwest	052030306	06/20/05	731	50(5)	36(687)	66.0	Vinylidene Chloride
Battelle Columbus Laboratory	059601406	09/25/06	729	50(5)	30(680)	63.5	Water Disinfection Byproducts: Bromodichloroacetic Acid

		Male				Female			
<b>#All Organs:</b>									
<b>Benign Tumors</b>									
		37/50 (74%)	35/50 (70%)	38/50 (76%)	25/50 (50%)	29/50 (58%)	25/50 (50%)		
		43/50 (86%)	33/50 (66%)	39/50 (78%)	20/50 (40%)	17/50 (34%)	26/50 (52%)		
		32/50 (64%)	30/50 (60%)	38/50 (76%)	23/50 (46%)	24/50 (48%)	22/50 (44%)		
		43/50 (86%)	43/50 (86%)		32/50 (64%)	36/50 (72%)			
<b>Overall Incidence</b>	Total	411/550 (74.73%)	Mean 74.73%	SD 9.09%	Total	279/550 (50.73%)	Mean 50.73%	SD 10.74%	
.....									
<b>#All Organs:</b>									
<b>Malignant Tumors</b>									
		25/50 (50%)	36/50 (72%)	35/50 (70%)	25/50 (50%)	31/50 (62%)	28/50 (56%)		
		28/50 (56%)	27/50 (54%)	26/50 (52%)	18/50 (36%)	19/50 (38%)	30/50 (60%)		
		32/50 (64%)	27/50 (54%)	21/50 (42%)	27/50 (54%)	16/50 (32%)	18/50 (36%)		
		37/50 (74%)	30/50 (60%)		33/50 (66%)	31/50 (62%)			
<b>Overall Incidence</b>	Total	324/550 (58.91%)	Mean 58.91%	SD 10.09%	Total	276/550 (50.18%)	Mean 50.18%	SD 12.47%	
.....									
<b>#All Organs:</b>									
<b>Malignant and Benign Tumors</b>									
		45/50 (90%)	45/50 (90%)	44/50 (88%)	35/50 (70%)	40/50 (80%)	35/50 (70%)		
		49/50 (98%)	48/50 (96%)	46/50 (92%)	29/50 (58%)	30/50 (60%)	41/50 (82%)		
		42/50 (84%)	40/50 (80%)	47/50 (94%)	38/50 (76%)	34/50 (68%)	32/50 (64%)		
		49/50 (98%)	48/50 (96%)		45/50 (90%)	45/50 (90%)			
<b>Overall Incidence</b>	Total	503/550 (91.45%)	Mean 91.45%	SD 5.8%	Total	404/550 (73.45%)	Mean 73.45%	SD 11.1%	
.....									
<b>#All Organs:</b>									
<b>Hemangioma</b>									
		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%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	6/550 (1.09%)	Mean 1.09%	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

		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma</b>									
		2/50 (4%)	7/50 (14%)	9/50 (18%)	4/50 (8%)	3/50 (6%)	2/50 (4%)		
		5/50 (10%)	4/50 (8%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	3/50 (6%)		
		0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)		
		2/50 (4%)	5/50 (10%)		4/50 (8%)	6/50 (12%)			
<b>Overall Incidence</b>	Total	37/550 (6.73%)	Mean 6.73%	SD 5.75%	Total	27/550 (4.91%)	Mean 4.91%	SD 3.62%	
.....									
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		2/50 (4%)	7/50 (14%)	9/50 (18%)	4/50 (8%)	3/50 (6%)	2/50 (4%)		
		7/50 (14%)	4/50 (8%)	2/50 (4%)	2/50 (4%)	1/50 (2%)	3/50 (6%)		
		0/50 (0%)	1/50 (2%)	3/50 (6%)	3/50 (6%)	1/50 (2%)	2/50 (4%)		
		3/50 (6%)	5/50 (10%)		4/50 (8%)	6/50 (12%)			
<b>Overall Incidence</b>	Total	43/550 (7.82%)	Mean 7.82%	SD 5.62%	Total	31/550 (5.64%)	Mean 5.64%	SD 2.94%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		1/50 (2%)	1/50 (2%)	0/50 (0%)	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%)	1/50 (2%)	0/50 (0%)	4/50 (8%)	1/50 (2%)	1/50 (2%)		
		2/50 (4%)	1/50 (2%)		2/50 (4%)	2/50 (4%)			
<b>Overall Incidence</b>	Total	9/550 (1.64%)	Mean 1.64%	SD 1.5%	Total	18/550 (3.27%)	Mean 3.27%	SD 2.24%	
.....									
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>									
		4/50 (8%)	4/50 (8%)	1/50 (2%)	7/50 (14%)	14/50 (28%)	11/50 (22%)		
		4/50 (8%)	3/50 (6%)	3/50 (6%)	7/50 (14%)	6/50 (12%)	18/50 (36%)		
		6/50 (12%)	5/50 (10%)	3/50 (6%)	10/50 (20%)	7/50 (14%)	9/50 (18%)		
		2/50 (4%)	0/50 (0%)		14/50 (28%)	6/50 (12%)			
<b>Overall Incidence</b>	Total	35/550 (6.36%)	Mean 6.36%	SD 3.44%	Total	109/550 (19.82%)	Mean 19.82%	SD 7.92%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jul2015  
 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

Page: 6  
 Report Date: 06/29/2015

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

		Male				Female			
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		4/49 (8%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/49 (2%)	0/50 (0%)	9/49 (18%)	0/49 (0%)	2/49 (4%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/50 (4%)		1/50 (2%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	23/547 (4.2%)	Mean 4.23%	SD 5.28%	Total	4/546 (0.73%)	Mean 0.73%	SD 1.37%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Benign</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	1/48 (2%)	0/49 (0%)	0/49 (0%)	1/49 (2%)	0/49 (0%)	1/49 (2%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/49 (0%)	1/50 (2%)	0/49 (0%)	1/50 (2%)
		1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	3/546 (0.55%)	Mean 0.55%	SD 0.95%	Total	6/546 (1.1%)	Mean 1.09%	SD 1.38%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma Malignant</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	1/546 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/546 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>*Adrenal Medulla:</b>									
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/49 (0%)	0/50 (0%)	1/48 (2%)	0/49 (0%)	0/49 (0%)	1/49 (2%)	0/49 (0%)	1/49 (2%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/49 (0%)	1/50 (2%)	0/49 (0%)	1/50 (2%)
		2/50 (4%)	0/50 (0%)		2/50 (4%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	4/546 (0.73%)	Mean 0.73%	SD 1.36%	Total	7/546 (1.28%)	Mean 1.28%	SD 1.62%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
<b>#Blood Vessel:</b>											
<b>Hemangioma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/550	(0%)	Mean 0%	SD 0%	Total	1/550	(0.18%)	Mean 0.18%	SD 0.6%	
<b>#Blood Vessel:</b>											
<b>Hemangiosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/550	(0%)	Mean 0%	SD 0%	Total	1/550	(0.18%)	Mean 0.18%	SD 0.6%	
<b>*Bone Marrow:</b>											
<b>Hemangiosarcoma</b>											
		0/49	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/549	(0.73%)	Mean 0.73%	SD 1.01%	Total	1/548	(0.18%)	Mean 0.18%	SD 0.6%	
<b>*Bone Marrow:</b>											
<b>Mast Cell Tumor Malignant</b>											
		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%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/549	(0.18%)	Mean 0.18%	SD 0.6%	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



		Male				Female			
<b>*Bone Marrow:</b>									
<b>Sarcoma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/549 (0%)	Mean 0%	SD 0%	Total	1/548 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Bone:</b>									
<b>Fibroma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Bone:</b>									
<b>Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	1/50 (2%)		
<b>Overall Incidence</b>	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

		Male				Female							
<b>#Bone:</b>													
<b>Sarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total 1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
<b>*Brain:</b>													
<b>Granular Cell Tumor Benign</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(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%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total 0/549 (0%)		Mean 0%		SD 0%	
.....													
<b>*Brain:</b>													
<b>Meningioma Malignant</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(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%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total 0/549 (0%)		Mean 0%		SD 0%	
.....													
<b>*Brain:</b>													
<b>Meningioma: Benign, Malignant, NOS</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(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%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total 0/549 (0%)		Mean 0%		SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
<b>#Coagulating Gland:</b>									
<b>Granular Cell Tumor</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
<b>#Coagulating Gland:</b>									
<b>Sarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		6/50 (12%)	6/50 (12%)	4/50 (8%)		3/50 (6%)	3/50 (6%)	5/50 (10%)	
		7/50 (14%)	6/50 (12%)	7/50 (14%)		2/50 (4%)	3/50 (6%)	2/50 (4%)	
		4/50 (8%)	5/50 (10%)	7/50 (14%)		1/50 (2%)	9/50 (18%)	2/50 (4%)	
		7/50 (14%)	6/50 (12%)	0/50 (0%)		1/50 (2%)	5/50 (10%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	65/550 (11.82%)	Mean 11.82%	SD 2.27%	Total	36/550 (6.55%)	Mean 6.55%	SD 4.66%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jul2015  
 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			
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	2/50 (4%)	3/50 (6%)		4/50 (8%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)	5/50 (10%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	
		2/50 (4%)	1/50 (2%)	1/50 (2%)		3/50 (6%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)			3/50 (6%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	17/550 (3.09%)	Mean 3.09%	SD 2.88%	Total	15/550 (2.73%)	Mean 2.73%	SD 2.87%	
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		7/50 (14%)	8/50 (16%)	7/50 (14%)		7/50 (14%)	3/50 (6%)	6/50 (12%)	
		8/50 (16%)	7/50 (14%)	12/50 (24%)		4/50 (8%)	3/50 (6%)	2/50 (4%)	
		6/50 (12%)	6/50 (12%)	8/50 (16%)		4/50 (8%)	10/50 (20%)	3/50 (6%)	
		7/50 (14%)	6/50 (12%)			4/50 (8%)	5/50 (10%)		
<b>Overall Incidence</b>	Total	82/550 (14.91%)	Mean 14.91%	SD 3.39%	Total	51/550 (9.27%)	Mean 9.27%	SD 4.58%	
.....									
<b>*Heart:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Cecum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	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%)		
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	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

		Male				Female					
<b>#Intestine Large: Cecum:</b>											
<b>Carcinoma or Adenoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)
<b>Overall Incidence</b>	<b>Total</b>	2/550 (0.36%)		Mean 0.36%		SD 0.81%		<b>Total</b>		1/550 (0.18%)	
								<b>Mean</b>		0.18%	
								<b>SD</b>		0.6%	
.....											
<b>#Intestine Large: Cecum:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	<b>Total</b>	0/550 (0%)		Mean 0%		SD 0%		<b>Total</b>		1/550 (0.18%)	
								<b>Mean</b>		0.18%	
								<b>SD</b>		0.6%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Adenoma</b>											
		2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	2/50	(4%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	<b>Total</b>	9/550 (1.64%)		Mean 1.64%		SD 1.75%		<b>Total</b>		2/550 (0.36%)	
								<b>Mean</b>		0.36%	
								<b>SD</b>		0.81%	
.....											
<b>#Intestine Small: Duodenum:</b>											
<b>Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	<b>Total</b>	1/550 (0.18%)		Mean 0.18%		SD 0.6%		<b>Total</b>		0/550 (0%)	
								<b>Mean</b>		0%	
								<b>SD</b>		0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jul2015  
 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: 06/29/2015

		Male				Female			
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)		
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Intestine Small: Ileum:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	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%)		
<b>Overall Incidence</b>	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

		Male				Female			
<b>#Intestine Small: Jejunum:</b>									
<b>Leiomyosarcoma</b>									
		0/50 (0%)	0/50 (0%)	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%)	
<b>Overall Incidence</b>	<b>Total</b>	0/550 (0%)	Mean 0%	SD 0%	<b>Total</b>	2/550 (0.36%)	Mean 0.36%	SD 0.81%	
<b>#Intestine Small: Site Unspecified:</b>									
<b>Adenoma</b>									
		2/50 (4%)	2/50 (4%)	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%)	1/50 (2%)	
		2/50 (4%)	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%)		
<b>Overall Incidence</b>	<b>Total</b>	13/550 (2.36%)	Mean 2.36%	SD 1.96%	<b>Total</b>	3/550 (0.55%)	Mean 0.55%	SD 0.93%	
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma</b>									
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	2/50 (4%)			1/50 (2%)	0/50 (0%)		
<b>Overall Incidence</b>	<b>Total</b>	7/550 (1.27%)	Mean 1.27%	SD 1.62%	<b>Total</b>	2/550 (0.36%)	Mean 0.36%	SD 0.81%	
<b>#Intestine Small: Site Unspecified:</b>									
<b>Carcinoma or Adenoma</b>									
		3/50 (6%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		2/50 (4%)	3/50 (6%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		2/50 (4%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	3/50 (6%)			2/50 (4%)	0/50 (0%)		
<b>Overall Incidence</b>	<b>Total</b>	20/550 (3.64%)	Mean 3.64%	SD 1.96%	<b>Total</b>	5/550 (0.91%)	Mean 0.91%	SD 1.38%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female					
<b>#Intestine Small: Site Unspecified:</b>											
<b>Leiomyosarcoma</b>											
		0/50	(0%)	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%)
<b>Overall Incidence</b>	<b>Total</b>	0/550 (0%)		Mean 0%		SD 0%		<b>Total</b>		2/550 (0.36%)	
								<b>Mean</b>		0.36%	
								<b>SD</b>		0.81%	
.....											
<b>*Islets, Pancreatic:</b>											
<b>Adenoma</b>											
		0/49	(0%)	0/49	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	1/50	(2%)	2/50	(4%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/49	(0%)
<b>Overall Incidence</b>	<b>Total</b>	8/548 (1.46%)		Mean 1.45%		SD 1.57%		<b>Total</b>		4/549 (0.73%)	
								<b>Mean</b>		0.73%	
								<b>SD</b>		1.01%	
.....											
<b>*Islets, Pancreatic:</b>											
<b>Carcinoma</b>											
		0/49	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)
<b>Overall Incidence</b>	<b>Total</b>	1/548 (0.18%)		Mean 0.18%		SD 0.6%		<b>Total</b>		0/549 (0%)	
								<b>Mean</b>		0%	
								<b>SD</b>		0%	
.....											
<b>*Islets, Pancreatic:</b>											
<b>Carcinoma or Adenoma</b>											
		0/49	(0%)	0/49	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		2/50	(4%)	1/50	(2%)	2/50	(4%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/49	(0%)
<b>Overall Incidence</b>	<b>Total</b>	9/548 (1.64%)		Mean 1.64%		SD 1.75%		<b>Total</b>		4/549 (0.73%)	
								<b>Mean</b>		0.73%	
								<b>SD</b>		1.01%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied



		Male				Female									
<b>*Kidney: Pelvis and Transitional Epithelium:</b>															
<b>Carcinoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		0/50	(0%)	0/50	(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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/550 (0%)		Mean 0%		SD 0%		<b>Total</b>		1/549 (0.18%)		Mean 0.18%		SD 0.6%	
.....															
<b>*Kidney: Pelvis and Transitional Epithelium:</b>															
<b>Carcinoma or Adenoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)		
		0/50	(0%)	0/50	(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%)				
<b>Overall Incidence</b>	<b>Total</b>	0/550 (0%)		Mean 0%		SD 0%		<b>Total</b>		1/549 (0.18%)		Mean 0.18%		SD 0.6%	
.....															
<b>*Kidney: Renal Tubule:</b>															
<b>Adenoma</b>															
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	2/50	(4%)			0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	3/550 (0.55%)		Mean 0.55%		SD 1.29%		<b>Total</b>		0/549 (0%)		Mean 0%		SD 0%	
.....															
<b>*Kidney: Renal Tubule:</b>															
<b>Carcinoma</b>															
		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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	<b>Total</b>	2/550 (0.36%)		Mean 0.36%		SD 1.21%		<b>Total</b>		0/549 (0%)		Mean 0%		SD 0%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jul2015  
 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: 06/29/2015

		Male				Female			
<b>*Kidney: Renal Tubule:</b>									
<b>  Carcinoma or Adenoma</b>									
		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%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	5/550 (0.91%)	Mean 0.91%	SD 2.07%	Total	0/549 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule:</b>									
<b>  Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/549 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Cholangiocarcinoma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (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%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/549 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>  Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	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

		Male				Female			
<b>*Liver:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	4/50 (8%)	9/50 (18%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	
		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%)	
		2/50 (4%)	1/50 (2%)			1/50 (2%)	2/49 (4%)		
<b>Overall Incidence</b>	Total	23/550 (4.18%)	Mean 4.18%	SD 5.62%	Total	6/549 (1.09%)	Mean 1.1%	SD 1.65%	
.....									
<b>*Liver:</b>									
<b>Hepatoblastoma</b>									
		2/50 (4%)	2/50 (4%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		2/50 (4%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/50 (2%)	2/50 (4%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	4/50 (8%)			0/50 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	Total	20/550 (3.64%)	Mean 3.64%	SD 2.5%	Total	3/549 (0.55%)	Mean 0.55%	SD 0.93%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Adenoma</b>									
		30/50 (60%)	28/50 (56%)	31/50 (62%)		11/50 (22%)	19/50 (38%)	17/50 (34%)	
		35/50 (70%)	26/50 (52%)	24/50 (48%)		12/50 (24%)	7/50 (14%)	14/50 (28%)	
		23/50 (46%)	23/50 (46%)	32/50 (64%)		9/50 (18%)	5/50 (10%)	13/50 (26%)	
		37/50 (74%)	39/50 (78%)			25/50 (50%)	33/49 (67%)		
<b>Overall Incidence</b>	Total	328/550 (59.64%)	Mean 59.64%	SD 11.2%	Total	165/549 (30.05%)	Mean 30.12%	SD 16.72%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		15/50 (30%)	25/50 (50%)	22/50 (44%)		6/50 (12%)	10/50 (20%)	9/50 (18%)	
		15/50 (30%)	12/50 (24%)	11/50 (22%)		5/50 (10%)	6/50 (12%)	10/50 (20%)	
		21/50 (42%)	18/50 (36%)	11/50 (22%)		7/50 (14%)	4/50 (8%)	2/50 (4%)	
		26/50 (52%)	12/50 (24%)			8/50 (16%)	9/49 (18%)		
<b>Overall Incidence</b>	Total	188/550 (34.18%)	Mean 34.18%	SD 11.26%	Total	76/549 (13.84%)	Mean 13.85%	SD 5.2%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		16/50 (32%)	27/50 (54%)	24/50 (48%)	6/50 (12%)	10/50 (20%)	10/50 (20%)		
		17/50 (34%)	15/50 (30%)	11/50 (22%)	5/50 (10%)	6/50 (12%)	10/50 (20%)		
		21/50 (42%)	18/50 (36%)	12/50 (24%)	7/50 (14%)	4/50 (8%)	2/50 (4%)		
		27/50 (54%)	15/50 (30%)		8/50 (16%)	9/49 (18%)			
<b>Overall Incidence</b>	Total	203/550 (36.91%)	Mean 36.91%	SD 11.18%	Total	77/549 (14.03%)	Mean 14.03%	SD 5.4%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		39/50 (78%)	38/50 (76%)	39/50 (78%)	14/50 (28%)	25/50 (50%)	20/50 (40%)		
		40/50 (80%)	35/50 (70%)	32/50 (64%)	14/50 (28%)	12/50 (24%)	20/50 (40%)		
		34/50 (68%)	31/50 (62%)	39/50 (78%)	15/50 (30%)	8/50 (16%)	15/50 (30%)		
		44/50 (88%)	42/50 (84%)		28/50 (56%)	36/49 (73%)			
<b>Overall Incidence</b>	Total	413/550 (75.09%)	Mean 75.09%	SD 8.17%	Total	207/549 (37.7%)	Mean 37.77%	SD 16.56%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		39/50 (78%)	39/50 (78%)	39/50 (78%)	14/50 (28%)	25/50 (50%)	20/50 (40%)		
		40/50 (80%)	36/50 (72%)	32/50 (64%)	14/50 (28%)	12/50 (24%)	20/50 (40%)		
		34/50 (68%)	31/50 (62%)	39/50 (78%)	15/50 (30%)	8/50 (16%)	15/50 (30%)		
		45/50 (90%)	42/50 (84%)		28/50 (56%)	36/49 (73%)			
<b>Overall Incidence</b>	Total	416/550 (75.64%)	Mean 75.64%	SD 8.43%	Total	207/549 (37.7%)	Mean 37.77%	SD 16.56%	
.....									
<b>*Liver:</b>									
<b>Hepatocholangiocarcinoma</b>									
		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%)		
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	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

		Male				Female			
<b>*Liver:</b>									
<b>Ito Cell Tumor Benign</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (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%)	
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/549 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Mast Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (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%)	
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/549 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		10/50 (20%)	7/50 (14%)	8/50 (16%)		1/50 (2%)	3/49 (6%)	0/50 (0%)	
		12/50 (24%)	4/50 (8%)	5/50 (10%)		5/50 (10%)	1/50 (2%)	1/50 (2%)	
		6/50 (12%)	5/50 (10%)	6/50 (12%)		4/50 (8%)	1/50 (2%)	5/50 (10%)	
		7/50 (14%)	13/50 (26%)			3/50 (6%)	3/50 (6%)		
<b>Overall Incidence</b>	Total	83/550 (15.09%)	Mean 15.09%	SD 5.89%	Total	27/549 (4.92%)	Mean 4.92%	SD 3.51%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		4/50 (8%)	11/50 (22%)	11/50 (22%)		2/50 (4%)	5/49 (10%)	1/50 (2%)	
		2/50 (4%)	4/50 (8%)	8/50 (16%)		1/50 (2%)	2/50 (4%)	4/50 (8%)	
		10/50 (20%)	5/50 (10%)	4/50 (8%)		5/50 (10%)	0/50 (0%)	1/50 (2%)	
		9/50 (18%)	7/50 (14%)			1/50 (2%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	75/550 (13.64%)	Mean 13.64%	SD 6.38%	Total	24/549 (4.37%)	Mean 4.38%	SD 3.48%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jul2015  
 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

Page: 22  
 Report Date: 06/29/2015

		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		13/50 (26%)	16/50 (32%)	17/50 (34%)	3/50 (6%)	8/49 (16%)	1/50 (2%)		
		14/50 (28%)	8/50 (16%)	13/50 (26%)	6/50 (12%)	3/50 (6%)	4/50 (8%)		
		14/50 (28%)	10/50 (20%)	10/50 (20%)	9/50 (18%)	1/50 (2%)	6/50 (12%)		
		13/50 (26%)	19/50 (38%)		4/50 (8%)	5/50 (10%)			
<b>Overall Incidence</b>	Total	147/550 (26.73%)	Mean 26.73%	SD 6.47%	Total	50/549 (9.11%)	Mean 9.12%	SD 5.21%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	0/549 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	
.....									
<b>#Lymph Node, Mandibular:</b>									
<b>Mast Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	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

		Male				Female								
<b>#Lymph Node, Mediastinal:</b>														
<b>Mast Cell Tumor Malignant</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....														
<b>#Lymph Node, Mesenteric:</b>														
<b>Hemangioma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....														
<b>#Lymph Node, Mesenteric:</b>														
<b>Hemangiosarcoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/550 (0%)		Mean 0%		SD 0%	
.....														
<b>#Mammary Gland:</b>														
<b>Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	1/50	(2%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	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%)			
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		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: Jul2015  
 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			
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	8/550 (1.45%)	Mean 1.45%	SD 1.29%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	8/550 (1.45%)	Mean 1.45%	SD 1.29%	
.....									
<b>#Mesentery:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	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: Jul2015  
 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								
<b>#Mesentery:</b>														
<b>Lipoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....														
<b>*Nose:</b>														
<b>Adenoma</b>														
		0/50	(0%)	0/50	(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%)	
		0/49	(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%)			
<b>Overall Incidence</b>	Total	0/549 (0%)		Mean 0%		SD 0%		Total	1/548 (0.18%)		Mean 0.19%		SD 0.63%	
.....														
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>														
<b>Papilloma Squamous or Papilloma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%	
.....														
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>														
<b>Squamous Cell Carcinoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	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

		Male				Female							
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>													
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)		
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total		3/550 (0.55%)		Mean 0.55%	
												SD 1.29%	
<b>#Oral Mucosa:</b>													
<b>Squamous Cell Carcinoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total		2/550 (0.36%)		Mean 0.36%	
												SD 0.81%	
<b>*Ovary:</b>													
<b>Choriocarcinoma</b>													
						0/50	(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%)	0/50	(0%)				
<b>Overall Incidence</b>	Total					1/546 (0.18%)		Mean 0.18%				SD 0.6%	
<b>*Ovary:</b>													
<b>Cystadenocarcinoma</b>													
						0/50	(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%)	0/50	(0%)				
<b>Overall Incidence</b>	Total					1/546 (0.18%)		Mean 0.18%				SD 0.6%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male			Female		
<b>*Ovary:</b>						
<b>Cystadenoma</b>						
		1/50	(2%)	1/48	(2%)	2/50 (4%)
		3/50	(6%)	1/50	(2%)	2/50 (4%)
		1/50	(2%)	2/48	(4%)	2/50 (4%)
		1/50	(2%)	1/50	(2%)	
<b>Overall Incidence</b>		Total	17/546 (3.11%)	Mean	3.11%	SD 1.38%
.....						
<b>*Ovary:</b>						
<b>Granulosa Cell Tumor Benign</b>						
		0/50	(0%)	0/48	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	1/50 (2%)
		1/50	(2%)	1/48	(2%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>		Total	3/546 (0.55%)	Mean	0.55%	SD 0.95%
.....						
<b>*Ovary:</b>						
<b>Granulosa Cell Tumor Malignant</b>						
		1/50	(2%)	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%)	0/50	(0%)	
<b>Overall Incidence</b>		Total	1/546 (0.18%)	Mean	0.18%	SD 0.6%
.....						
<b>*Ovary:</b>						
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>						
		1/50	(2%)	0/48	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	1/50 (2%)
		1/50	(2%)	1/48	(2%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>		Total	4/546 (0.73%)	Mean	0.73%	SD 1.02%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

	Male			Female		
<b>*Ovary:</b>						
<b>Hemangiosarcoma</b>						
		1/50	(2%)	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%)	0/50	(0%)	
<b>Overall Incidence</b>		<b>Total</b>	<b>2/546 (0.37%)</b>	<b>Mean</b>	<b>0.36%</b>	<b>SD 0.81%</b>
.....						
<b>*Ovary:</b>						
<b>Luteoma</b>						
		0/50	(0%)	0/48	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	1/50 (2%)
		0/50	(0%)	0/48	(0%)	0/50 (0%)
		1/50	(2%)	0/50	(0%)	
<b>Overall Incidence</b>		<b>Total</b>	<b>2/546 (0.37%)</b>	<b>Mean</b>	<b>0.36%</b>	<b>SD 0.81%</b>
.....						
<b>*Ovary:</b>						
<b>Sarcoma</b>						
		0/50	(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%)	0/50	(0%)	
<b>Overall Incidence</b>		<b>Total</b>	<b>1/546 (0.18%)</b>	<b>Mean</b>	<b>0.18%</b>	<b>SD 0.6%</b>
.....						
<b>*Ovary:</b>						
<b>Tubulostromal Adenoma</b>						
		0/50	(0%)	0/48	(0%)	0/50 (0%)
		0/50	(0%)	1/50	(2%)	0/50 (0%)
		0/50	(0%)	0/48	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>		<b>Total</b>	<b>1/546 (0.18%)</b>	<b>Mean</b>	<b>0.18%</b>	<b>SD 0.6%</b>

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
<b>*Ovary:</b>									
<b>Yolk Sac Carcinoma</b>									
						0/50 (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%)		0/50 (0%)	
<b>Overall Incidence</b>					Total	1/546 (0.18%)		Mean 0.19%	SD 0.63%
.....									
<b>*Pancreas:</b>									
<b>Carcinoma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			1/50 (2%)		0/49 (0%)	
<b>Overall Incidence</b>	Total	0/549 (0%)	Mean 0%	SD 0%	Total	1/549 (0.18%)		Mean 0.18%	SD 0.6%
.....									
<b>*Pancreas:</b>									
<b>Carcinoma or Adenoma</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)		0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			1/50 (2%)		0/49 (0%)	
<b>Overall Incidence</b>	Total	0/549 (0%)	Mean 0%	SD 0%	Total	1/549 (0.18%)		Mean 0.18%	SD 0.6%
.....									
<b>*Parathyroid Gland:</b>									
<b>Adenoma</b>									
		0/27 (0%)	0/29 (0%)	0/36 (0%)		0/27 (0%)		0/28 (0%)	0/47 (0%)
		0/41 (0%)	0/48 (0%)	0/34 (0%)		0/35 (0%)		0/43 (0%)	0/26 (0%)
		0/28 (0%)	0/48 (0%)	0/45 (0%)		1/35 (3%)		0/44 (0%)	0/34 (0%)
		0/26 (0%)	0/44 (0%)			0/24 (0%)		0/45 (0%)	
<b>Overall Incidence</b>	Total	0/406 (0%)	Mean 0%	SD 0%	Total	1/388 (0.26%)		Mean 0.26%	SD 0.86%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/47 (0%)	0/49 (0%)	9/49 (18%)	3/47 (6%)	4/50 (8%)		
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/49 (6%)	5/50 (10%)		
		1/50 (2%)	0/47 (0%)	0/50 (0%)	8/48 (17%)	5/50 (10%)	1/50 (2%)		
		0/49 (0%)	0/50 (0%)		8/50 (16%)	2/49 (4%)			
<b>Overall Incidence</b>	Total	2/540 (0.37%)	Mean 0.37%	SD 0.82%	Total	48/542 (8.86%)	Mean 8.87%	SD 6.06%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma</b>									
		0/49 (0%)	0/47 (0%)	0/49 (0%)	0/49 (0%)	0/47 (0%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)		
		0/50 (0%)	0/47 (0%)	0/50 (0%)	3/48 (6%)	0/50 (0%)	0/50 (0%)		
		0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	0/540 (0%)	Mean 0%	SD 0%	Total	3/542 (0.55%)	Mean 0.57%	SD 1.88%	
.....									
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		0/49 (0%)	0/47 (0%)	0/49 (0%)	9/49 (18%)	3/47 (6%)	4/50 (8%)		
		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/49 (6%)	5/50 (10%)		
		1/50 (2%)	0/47 (0%)	0/50 (0%)	11/48 (23%)	5/50 (10%)	1/50 (2%)		
		0/49 (0%)	0/50 (0%)		8/50 (16%)	2/49 (4%)			
<b>Overall Incidence</b>	Total	2/540 (0.37%)	Mean 0.37%	SD 0.82%	Total	51/542 (9.41%)	Mean 9.44%	SD 7.08%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/47 (0%)	0/49 (0%)	0/49 (0%)	0/47 (0%)	1/50 (2%)		
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)		
		0/50 (0%)	0/47 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)		
		1/49 (2%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	1/540 (0.19%)	Mean 0.19%	SD 0.62%	Total	2/542 (0.37%)	Mean 0.37%	SD 0.82%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/49 (0%)	0/47 (0%)	0/49 (0%)	0/49 (0%)	0/47 (0%)	1/50 (2%)		
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)		
		0/50 (0%)	0/47 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)		
		1/49 (2%)	0/50 (0%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	<b>Total</b>	<b>1/540 (0.19%)</b>	<b>Mean 0.19%</b>	<b>SD 0.62%</b>	<b>Total</b>	<b>2/542 (0.37%)</b>	<b>Mean 0.37%</b>	<b>SD 0.82%</b>	
.....									
<b>*Salivary Glands:</b>									
<b>  Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (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%)			
<b>Overall Incidence</b>	<b>Total</b>	<b>1/550 (0.18%)</b>	<b>Mean 0.18%</b>	<b>SD 0.6%</b>	<b>Total</b>	<b>0/548 (0%)</b>	<b>Mean 0%</b>	<b>SD 0%</b>	
.....									
<b>*Salivary Glands:</b>									
<b>  Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (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%)			
<b>Overall Incidence</b>	<b>Total</b>	<b>1/550 (0.18%)</b>	<b>Mean 0.18%</b>	<b>SD 0.6%</b>	<b>Total</b>	<b>0/548 (0%)</b>	<b>Mean 0%</b>	<b>SD 0%</b>	
.....									
<b>*Salivary Glands:</b>									
<b>  Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (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%)			
<b>Overall Incidence</b>	<b>Total</b>	<b>1/550 (0.18%)</b>	<b>Mean 0.18%</b>	<b>SD 0.6%</b>	<b>Total</b>	<b>0/548 (0%)</b>	<b>Mean 0%</b>	<b>SD 0%</b>	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female							
<b>*Salivary Glands:</b>													
<b>Myxoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/48	(0%)		
<b>Overall Incidence</b>	<b>Total</b>	0/550 (0%)		Mean 0%		SD 0%		Total 1/548 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
<b>*Salivary Glands:</b>													
<b>Myxosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/550 (0%)		Mean 0%		SD 0%		Total 1/548 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
<b>#Seminal Vesicle:</b>													
<b>Adenoma</b>													
		1/50	(2%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/50	(0%)	0/50	(0%)						
		0/50	(0%)	0/50	(0%)	0/50	(0%)						
<b>Overall Incidence</b>	<b>Total</b>	1/550 (0.18%)		Mean 0.18%		SD 0.6%							
.....													
<b>#Skeletal Muscle:</b>													
<b>Hemangiosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	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%)		
<b>Overall Incidence</b>	<b>Total</b>	1/550 (0.18%)		Mean 0.18%		SD 0.6%		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: Jul2015  
 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

Page: 33  
 Report Date: 06/29/2015

		Male				Female					
<b>#Skeletal Muscle:</b>											
<b>Rhabdomyosarcoma</b>											
		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%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total 3/550 (0.55%)		Mean 0.55%	
										SD 1.29%	
.....											
<b>#Skeletal Muscle:</b>											
<b>Rhabdomyosarcoma or Rhabdomyoma</b>											
		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%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total 3/550 (0.55%)		Mean 0.55%	
										SD 1.29%	
.....											
<b>#Skeletal Muscle:</b>											
<b>Sarcoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total 1/550 (0.18%)		Mean 0.18%	
										SD 0.6%	
.....											
<b>#Skin:</b>											
<b>Basal Cell Carcinoma</b>											
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	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

		Male				Female			
<b>#Skin:</b>									
<b>Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	
.....									
<b>#Skin:</b>									
<b>Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	
.....									
<b>#Skin:</b>									
<b>Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	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%)
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	3/550 (0.55%)	Mean 0.55%	SD 0.93%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	3/50 (6%)	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%)
		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
<b>Overall Incidence</b>	Total	5/550 (0.91%)	Mean 0.91%	SD 1.04%	Total	16/550 (2.91%)	Mean 2.91%	SD 2.59%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)			1/50 (2%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	4/550 (0.73%)	Mean 0.73%	SD 1.01%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	2/50 (4%)	3/50 (6%)	
		0/50 (0%)	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%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)			2/50 (4%)	4/50 (8%)		
<b>Overall Incidence</b>	Total	5/550 (0.91%)	Mean 0.91%	SD 1.04%	Total	16/550 (2.91%)	Mean 2.91%	SD 2.59%	
.....									
<b>#Skin:</b>									
<b>Fibrous Histiocytoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	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%)	3/50 (6%)		
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	4/550 (0.73%)	Mean 0.73%	SD 1.85%	
.....									
<b>#Skin:</b>									
<b>Hemangioma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	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

		Male				Female							
<b>#Skin:</b>													
<b>Hemangiosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	1/50	(2%)			0/50	(0%)	1/50	(2%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total 5/550 (0.91%)		Mean 0.91%		SD 1.38%	
.....													
<b>#Skin:</b>													
<b>Keratoacanthoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	2/550 (0.36%)		Mean 0.36%		SD 0.81%		Total 0/550 (0%)		Mean 0%		SD 0%	
.....													
<b>#Skin:</b>													
<b>Lipoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	1/50	(2%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	3/550 (0.55%)		Mean 0.55%		SD 1.29%		Total 0/550 (0%)		Mean 0%		SD 0%	
.....													
<b>#Skin:</b>													
<b>Liposarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		1/50	(2%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	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

		Male				Female			
<b>#Skin:</b>									
<b>Melanoma Benign</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	0/550 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Melanoma Malignant</b>									
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Skin:</b>									
<b>Neural Crest Tumor</b>									
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	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: Jul2015  
 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							
<b>#Skin:</b>													
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)		
		0/50	(0%)	0/50	(0%)			0/50	(0%)	3/50	(6%)		
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total	4/550 (0.73%)		Mean 0.73%	SD 1.85%	
.....													
<b>#Skin:</b>													
<b>Sarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	2/50	(4%)	3/50	(6%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			1/50	(2%)	1/50	(2%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	8/550 (1.45%)		Mean 1.45%	SD 2.02%	
.....													
<b>#Skin:</b>													
<b>Schwannoma Malignant</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	3/50	(6%)		
<b>Overall Incidence</b>	Total	0/550 (0%)		Mean 0%		SD 0%		Total	4/550 (0.73%)		Mean 0.73%	SD 1.85%	
.....													
<b>#Skin:</b>													
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	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: Jul2015  
 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: 06/29/2015

		Male				Female			
<b>#Skin:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma or Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Skin:</b>									
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/550 (0.36%)	Mean 0.36%	SD 0.81%	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

		Male				Female			
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		2/49 (4%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/49 (4%)	1/50 (2%)		
		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%)	0/50 (0%)	1/50 (2%)		
		2/50 (4%)	2/50 (4%)		3/50 (6%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	14/548 (2.55%)	Mean 2.55%	SD 2.02%	Total	8/548 (1.46%)	Mean 1.46%	SD 2.03%	
.....									
<b>*Spleen:</b>									
<b>Mast Cell Tumor Malignant</b>									
		0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (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%)			
<b>Overall Incidence</b>	Total	0/548 (0%)	Mean 0%	SD 0%	Total	1/548 (0.18%)	Mean 0.19%	SD 0.62%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma</b>									
		0/50 (0%)	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%)			
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)		
		0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)		
		1/50 (2%)	2/50 (4%)	5/50 (10%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	12/550 (2.18%)	Mean 2.18%	SD 3.03%	Total	9/550 (1.64%)	Mean 1.64%	SD 1.5%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied



Version: Jul2015  
 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			
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)		
		0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)		
		1/50 (2%)	2/50 (4%)	5/50 (10%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)			
<b>Overall Incidence</b>	Total	11/550 (2%)	Mean 2%	SD 2.97%	Total	8/550 (1.45%)	Mean 1.45%	SD 1.29%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Stomach, Glandular:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>*Testes:</b>									
<b>Adenoma</b>									
		0/49 (0%)	1/50 (2%)	1/50 (2%)					
		1/50 (2%)	0/50 (0%)	0/50 (0%)					
		0/50 (0%)	2/50 (4%)	0/50 (0%)					
		1/50 (2%)	1/50 (2%)						
<b>Overall Incidence</b>	Total	7/549 (1.28%)	Mean 1.27%	SD 1.35%					

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
<b>*Testes:</b>									
<b>Hemangioma</b>									
		0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)		
		1/50	(2%)	0/50	(0%)				
<b>Overall Incidence</b>	Total	1/549 (0.18%)		Mean 0.18%		SD 0.6%			
.....									
<b>*Thymus:</b>									
<b>Neoplasm NOS</b>									
		0/41	(0%)	0/42	(0%)	0/50	(0%)	0/47	(0%)
		0/44	(0%)	0/49	(0%)	0/41	(0%)	0/47	(0%)
		0/44	(0%)	0/40	(0%)	0/47	(0%)	0/48	(0%)
		0/39	(0%)	0/45	(0%)			0/48	(0%)
								0/50	(0%)
								0/49	(0%)
								0/44	(0%)
								0/50	(0%)
<b>Overall Incidence</b>	Total	0/482 (0%)		Mean 0%		SD 0%		Total	1/526 (0.19%)
								Mean	0.2%
								SD	0.66%
.....									
<b>*Thymus:</b>									
<b>Thymoma Benign</b>									
		0/41	(0%)	0/42	(0%)	0/50	(0%)	0/47	(0%)
		0/44	(0%)	1/49	(2%)	0/41	(0%)	0/47	(0%)
		0/44	(0%)	0/40	(0%)	0/47	(0%)	0/48	(0%)
		0/39	(0%)	0/45	(0%)			0/48	(0%)
								0/50	(0%)
								0/49	(0%)
								0/44	(0%)
								0/50	(0%)
<b>Overall Incidence</b>	Total	1/482 (0.21%)		Mean 0.19%		SD 0.62%		Total	0/526 (0%)
								Mean	0%
								SD	0%
.....									
<b>*Thymus:</b>									
<b>Thymoma NOS</b>									
		0/41	(0%)	0/42	(0%)	0/50	(0%)	1/47	(2%)
		0/44	(0%)	0/49	(0%)	0/41	(0%)	0/47	(0%)
		0/44	(0%)	0/40	(0%)	0/47	(0%)	0/48	(0%)
		0/39	(0%)	0/45	(0%)			0/48	(0%)
								0/50	(0%)
								0/49	(0%)
								0/44	(0%)
								0/50	(0%)
<b>Overall Incidence</b>	Total	0/482 (0%)		Mean 0%		SD 0%		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

		Male				Female							
<b>*Thymus:</b>													
<b>Thymoma: Benign, Malignant, NOS</b>													
		0/41	(0%)	0/42	(0%)	0/50	(0%)	1/47	(2%)	0/46	(0%)	0/50	(0%)
		0/44	(0%)	1/49	(2%)	0/41	(0%)	0/47	(0%)	0/49	(0%)	0/44	(0%)
		0/44	(0%)	0/40	(0%)	0/47	(0%)	0/48	(0%)	0/48	(0%)	0/50	(0%)
		0/39	(0%)	0/45	(0%)			0/47	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	1/482 (0.21%)		Mean 0.19%		SD 0.62%		Total 1/526 (0.19%)		Mean 0.19%		SD 0.64%	
.....													
<b>*Thyroid Gland: C-Cell:</b>													
<b>Adenoma</b>													
		0/49	(0%)	0/49	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/49	(0%)		
<b>Overall Incidence</b>	Total	0/547 (0%)		Mean 0%		SD 0%		Total 1/546 (0.18%)		Mean 0.18%		SD 0.6%	
.....													
<b>*Thyroid Gland: C-Cell:</b>													
<b>Carcinoma</b>													
		0/49	(0%)	0/49	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)	0/49	(0%)		
<b>Overall Incidence</b>	Total	0/547 (0%)		Mean 0%		SD 0%		Total 2/546 (0.37%)		Mean 0.36%		SD 0.81%	
.....													
<b>*Thyroid Gland: C-Cell:</b>													
<b>Carcinoma or Adenoma</b>													
		0/49	(0%)	0/49	(0%)	0/49	(0%)	0/48	(0%)	0/50	(0%)	0/49	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)			0/50	(0%)	0/49	(0%)		
<b>Overall Incidence</b>	Total	0/547 (0%)		Mean 0%		SD 0%		Total 3/546 (0.55%)		Mean 0.55%		SD 0.93%	

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
<b>*Thyroid Gland: Follicular Cell:</b>									
<b>Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/48 (0%)	1/50 (2%)	0/49 (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%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	3/547 (0.55%)	Mean 0.55%	SD 0.93%	Total	3/546 (0.55%)	Mean 0.55%	SD 0.93%	
.....									
<b>*Thyroid Gland: Follicular Cell:</b>									
<b>Carcinoma or Adenoma</b>									
		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/48 (0%)	1/50 (2%)	0/49 (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%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
		0/50 (0%)	1/50 (2%)		0/50 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total	3/547 (0.55%)	Mean 0.55%	SD 0.93%	Total	3/546 (0.55%)	Mean 0.55%	SD 0.93%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Carcinoma or Papilloma Squamous</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	Total	0/550 (0%)	Mean 0%	SD 0%	Total	1/550 (0.18%)	Mean 0.18%	SD 0.6%	
.....									
<b>#Tongue:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)			
<b>Overall Incidence</b>	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

		Male				Female							
<b>#Tooth:</b>													
<b>Odontoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	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%)		
<b>Overall Incidence</b>	Total	2/550 (0.36%)		Mean 0.36%		SD 1.21%		Total	0/550 (0%)		Mean 0%	SD 0%	
.....													
<b>#Urethra:</b>													
<b>Hemangiosarcoma</b>													
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	1/50	(2%)			0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	1/550 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/550 (0%)		Mean 0%	SD 0%	
.....													
<b>*Urinary Bladder:</b>													
<b>Hemangiosarcoma</b>													
		0/50	(0%)	0/48	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)			0/49	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	1/548 (0.18%)		Mean 0.18%		SD 0.6%		Total	0/547 (0%)		Mean 0%	SD 0%	
.....													
<b>#Uterus:</b>													
<b>Adenoma</b>													
						0/50	(0%)	0/50	(0%)	0/50	(0%)		
						0/50	(0%)	0/50	(0%)	0/50	(0%)		
						0/50	(0%)	1/50	(2%)	0/50	(0%)		
						0/50	(0%)	0/50	(0%)				
<b>Overall Incidence</b>	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: Jul2015  
 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: 06/29/2015

	Male		Female			
<b>#Uterus:</b>						
<b>Granular Cell Tumor Benign</b>						
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%		SD 0.6%	
.....						
<b>#Uterus:</b>						
<b>Hemangioma</b>						
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/550 (0.18%)	Mean 0.18%		SD 0.6%	
.....						
<b>#Uterus:</b>						
<b>Hemangiosarcoma</b>						
		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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	5/550 (0.91%)	Mean 0.91%		SD 1.04%	
.....						
<b>#Uterus:</b>						
<b>Leiomyoma</b>						
		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%)	
<b>Overall Incidence</b>	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: Jul2015  
 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: 06/29/2015

					Male						Female	
<b>#Uterus:</b>												
<b>Polyp Stromal</b>												
					4/50	(8%)			2/50	(4%)	1/50	(2%)
					2/50	(4%)			0/50	(0%)	0/50	(0%)
					1/50	(2%)			0/50	(0%)	0/50	(0%)
					2/50	(4%)			4/50	(8%)		
<b>Overall Incidence</b>					Total	16/550	(2.91%)	Mean	2.91%	SD	3.02%	
.....												
<b>#Uterus:</b>												
<b>Sarcoma Stromal</b>												
					0/50	(0%)			0/50	(0%)	1/50	(2%)
					0/50	(0%)			0/50	(0%)	0/50	(0%)
					0/50	(0%)			0/50	(0%)	2/50	(4%)
					0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>					Total	3/550	(0.55%)	Mean	0.55%	SD	1.29%	
.....												
<b>#Uterus:</b>												
<b>Sarcoma Stromal or Polyp Stromal</b>												
					4/50	(8%)			2/50	(4%)	2/50	(4%)
					2/50	(4%)			0/50	(0%)	0/50	(0%)
					1/50	(2%)			0/50	(0%)	2/50	(4%)
					2/50	(4%)			4/50	(8%)		
<b>Overall Incidence</b>					Total	19/550	(3.45%)	Mean	3.45%	SD	2.84%	
.....												
<b>#Zymbal's Gland:</b>												
<b>Carcinoma</b>												
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	
		0/50	(0%)	1/50	(2%)	0/50	(0%)			0/50	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	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: Jul2015

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: 06/29/2015

		Male				Female								
<b>#Zymbal's Gland:</b>														
<b>Carcinoma or Adenoma</b>														
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)			
<b>Overall Incidence</b>	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