



National Toxicology Program
Department of Health and Human Services

NTP Historical Controls Report

All Routes and Vehicles

MICE

October 2022

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.

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
Male							
Battelle Columbus Laboratory	050005804	N/A	N/A	0(0)	0(0)	N/A	Black Cohosh
Battelle Columbus Laboratory	051098702	08/17/10	730	50(1)	44(722)	48.9	Dibutyl Phthalate
Battelle Columbus Laboratory	051026002	07/16/10	727	49(1)	34(691)	47.6	2-Hydroxy-4-methoxybenzophenone
Battelle Northwest	051047204	01/31/11	729	50(5)	40(705)	52.7	p-Chloro-a,a,a-trifluorotoluene
I. I. T. Research Institute	052010578	06/18/12	729	90(1)	66(687)	51.5	Radiofrequency Radiation
Battelle Columbus Laboratory	052032306	05/22/12	730	50(1)	35(698)	52.5	Resveratrol
Battelle Columbus Laboratory	050303804	01/17/12	730	50(1)	26(683)	54.6	Sodium Tungstate Dihydrate
Battelle Columbus Laboratory	052071204	10/25/11	731	50(1)	39(701)	50.0	Tris(Chloropropyl)phosphate
Battelle Columbus Laboratory	051105402	05/19/15	730	50(1)	34(701)	56.1	Sulfolane
Female							
Battelle Columbus Laboratory	050005804	04/09/12	729	50(4)	40(703)	58.8	Black Cohosh
Battelle Columbus Laboratory	051098702	08/16/10	729	50(4)	42(713)	51.5	Dibutyl Phthalate
Battelle Columbus Laboratory	051026002	07/15/10	726	50(4)	42(716)	54.7	2-Hydroxy-4-methoxybenzophenone
Battelle Northwest	051047204	01/31/11	731	50(5)	38(700)	55.9	p-Chloro-a,a,a-trifluorotoluene
I. I. T. Research Institute	052010578	06/18/12	739	90(1)	67(704)	62.6	Radiofrequency Radiation
Battelle Columbus Laboratory	052032306	05/21/12	729	50(4)	44(716)	58.8	Resveratrol
Battelle Columbus Laboratory	050303804	01/16/12	729	50(4)	38(700)	61.6	Sodium Tungstate Dihydrate
Battelle Columbus Laboratory	052071204	10/24/11	729	50(4)	46(726)	51.9	Tris(Chloropropyl)phosphate
Battelle Columbus Laboratory	051105402	05/18/15	728	50(4)	35(702)	61.8	Sulfolane

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
#All Organs:									
Benign Tumors									
			26/50 (52%)	28/49 (57%)		15/50 (30%)	13/50 (26%)	17/50 (34%)	
		32/50 (64%)	61/90 (68%)	33/50 (66%)		24/50 (48%)	36/90 (40%)	17/50 (34%)	
		31/50 (62%)	25/50 (50%)	32/50 (64%)		20/50 (40%)	21/50 (42%)	25/50 (50%)	
Overall Incidence	Total	268/439 (61.05%)	Mean 60.37%	SD 6.59%	Total	188/490 (38.37%)	Mean 38.22%	SD 7.97%	
.....									
#All Organs:									
Malignant Tumors									
			19/50 (38%)	19/49 (39%)		22/50 (44%)	19/50 (38%)	11/50 (22%)	
		25/50 (50%)	49/90 (54%)	24/50 (48%)		24/50 (48%)	33/90 (37%)	18/50 (36%)	
		30/50 (60%)	20/50 (40%)	22/50 (44%)		15/50 (30%)	12/50 (24%)	18/50 (36%)	
Overall Incidence	Total	208/439 (47.38%)	Mean 46.65%	SD 7.93%	Total	172/490 (35.1%)	Mean 34.96%	SD 8.51%	
.....									
#All Organs:									
Malignant and Benign Tumors									
			33/50 (66%)	37/49 (76%)		31/50 (62%)	28/50 (56%)	25/50 (50%)	
		44/50 (88%)	79/90 (88%)	41/50 (82%)		38/50 (76%)	59/90 (66%)	27/50 (54%)	
		42/50 (84%)	34/50 (68%)	41/50 (82%)		32/50 (64%)	27/50 (54%)	34/50 (68%)	
Overall Incidence	Total	351/439 (79.95%)	Mean 79.16%	SD 8.48%	Total	301/490 (61.43%)	Mean 61.06%	SD 8.28%	
.....									
#All Organs:									
Hemangioma									
			0/50 (0%)	1/49 (2%)		1/50 (2%)	1/50 (2%)	2/50 (4%)	
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	4/90 (4%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	3/50 (6%)	
Overall Incidence	Total	6/439 (1.37%)	Mean 1.39%	SD 1.41%	Total	11/490 (2.24%)	Mean 2.05%	SD 2.29%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
#All Organs:									
Hemangiosarcoma									
			3/50 (6%)	1/49 (2%)	1/50 (2%)	3/50 (6%)	0/50 (0%)		
		2/50 (4%)	2/90 (2%)	3/50 (6%)	3/50 (6%)	2/90 (2%)	1/50 (2%)		
		5/50 (10%)	2/50 (4%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)		
Overall Incidence	Total	21/439 (4.78%)	Mean 5.03%	SD 2.58%	Total	13/490 (2.65%)	Mean 2.69%	SD 1.99%	
.....									
#All Organs:									
Hemangiosarcoma or Hemangioma									
			3/50 (6%)	2/49 (4%)	2/50 (4%)	4/50 (8%)	2/50 (4%)		
		2/50 (4%)	3/90 (3%)	3/50 (6%)	3/50 (6%)	6/90 (7%)	1/50 (2%)		
		6/50 (12%)	3/50 (6%)	4/50 (8%)	1/50 (2%)	1/50 (2%)	4/50 (8%)		
Overall Incidence	Total	26/439 (5.92%)	Mean 6.18%	SD 2.79%	Total	24/490 (4.9%)	Mean 4.74%	SD 2.5%	
.....									
#All Organs:									
Histiocytic Sarcoma									
			2/50 (4%)	0/49 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)		
		0/50 (0%)	0/90 (0%)	1/50 (2%)	2/50 (4%)	8/90 (9%)	2/50 (4%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)		
Overall Incidence	Total	4/439 (0.91%)	Mean 1%	SD 1.51%	Total	20/490 (4.08%)	Mean 3.65%	SD 2.42%	
.....									
#All Organs:									
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated									
			0/50 (0%)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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:									
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type									
			4/50 (8%)	3/49 (6%)	10/50 (20%)	11/50 (22%)	5/50 (10%)		
		6/50 (12%)	6/90 (7%)	7/50 (14%)	9/50 (18%)	2/90 (2%)	9/50 (18%)		
		5/50 (10%)	5/50 (10%)	2/50 (4%)	4/50 (8%)	8/50 (16%)	5/50 (10%)		
Overall Incidence	Total	38/439 (8.66%)	Mean 8.85%	SD 3.29%	Total	63/490 (12.86%)	Mean 13.8%	SD 6.54%	
.....									
#All Organs:									
Malignant Schwannoma									
			0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	0/50 (0%)		
		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	2/439 (0.46%)	Mean 0.5%	SD 0.93%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#All Organs:									
Osteosarcoma									
			0/50 (0%)	0/49 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	3/90 (3%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	6/490 (1.22%)	Mean 1.04%	SD 1.64%	
.....									
#All Organs:									
Osteosarcoma or Osteoma									
			0/50 (0%)	0/49 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	3/90 (3%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)		
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	6/490 (1.22%)	Mean 1.04%	SD 1.64%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
*Adrenal Cortex:									
Adenoma									
			0/50 (0%)	1/48 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/84 (1%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)	
Overall Incidence	Total	3/435 (0.69%)	Mean 0.76%	SD 1.05%	Total	1/482 (0.21%)	Mean 0.13%	SD 0.4%	
.....									
*Adrenal Medulla:									
Pheochromocytoma Benign									
			0/50 (0%)	1/48 (2%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		1/50 (2%)	0/83 (0%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/50 (0%)	1/50 (2%)	0/48 (0%)	
Overall Incidence	Total	1/434 (0.23%)	Mean 0.26%	SD 0.74%	Total	2/480 (0.42%)	Mean 0.44%	SD 0.88%	
.....									
*Adrenal Medulla:									
Pheochromocytoma Malignant									
			0/50 (0%)	0/48 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	1/50 (2%)		0/50 (0%)	2/83 (2%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/48 (0%)	
Overall Incidence	Total	1/434 (0.23%)	Mean 0.25%	SD 0.71%	Total	2/480 (0.42%)	Mean 0.27%	SD 0.8%	
.....									
*Adrenal Medulla:									
Pheochromocytoma: Benign, Complex, Malignant, NOS									
			0/50 (0%)	1/48 (2%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	1/50 (2%)		1/50 (2%)	2/83 (2%)	0/50 (0%)	
		0/49 (0%)	0/50 (0%)	0/47 (0%)		0/50 (0%)	1/50 (2%)	0/48 (0%)	
Overall Incidence	Total	2/434 (0.46%)	Mean 0.51%	SD 0.95%	Total	4/480 (0.83%)	Mean 0.71%	SD 1.07%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
*Bone Marrow:									
Hemangiosarcoma									
			0/50 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	2/437 (0.46%)	Mean 0.5%	SD 1.41%	Total	1/487 (0.21%)	Mean 0.22%	SD 0.67%	
.....									
*Bone Marrow:									
Mast Cell Tumor Malignant									
			0/50 (0%)	1/47 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/437 (0.46%)	Mean 0.52%	SD 0.96%	Total	0/487 (0%)	Mean 0%	SD 0%	
.....									
#Bone:									
Hemangioma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/90 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.12%	SD 0.37%	
.....									
#Bone:									
Hemangiosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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			
#Bone:									
Osteosarcoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/90 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	3/490 (0.61%)	Mean 0.57%	SD 0.89%	
.....									
#Bone:									
Osteosarcoma or Osteoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/90 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	3/490 (0.61%)	Mean 0.57%	SD 0.89%	
.....									
*Brain:									
Meningioma Malignant									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/87 (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	0/439 (0%)	Mean 0%	SD 0%	Total	1/487 (0.21%)	Mean 0.22%	SD 0.67%	
.....									
*Brain:									
Meningioma: Benign, Malignant, NOS									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/87 (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	0/439 (0%)	Mean 0%	SD 0%	Total	1/487 (0.21%)	Mean 0.22%	SD 0.67%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

Page: 10
 Report Date: 11/18/2022

		Male				Female			
*Clitoral/Preputial Gland:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/89 (1%)	0/50 (0%)		0/48 (0%)	0/82 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/43 (0%)	
Overall Incidence	Total	1/437 (0.23%)	Mean 0.14%	SD 0.4%	Total	0/471 (0%)	Mean 0%	SD 0%	

*Epididymis:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)					
		0/50 (0%)	1/90 (1%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	1/439 (0.23%)	Mean 0.14%	SD 0.39%					

#Harderian Gland:									
Adenoma									
			3/50 (6%)	6/49 (12%)		2/50 (4%)	3/50 (6%)	1/50 (2%)	
		5/50 (10%)	6/90 (7%)	6/50 (12%)		2/50 (4%)	4/90 (4%)	3/50 (6%)	
		2/50 (4%)	0/50 (0%)	5/50 (10%)		1/50 (2%)	4/50 (8%)	1/50 (2%)	
Overall Incidence	Total	33/439 (7.52%)	Mean 7.61%	SD 4.25%	Total	21/490 (4.29%)	Mean 4.27%	SD 2.11%	

#Harderian Gland:									
Adenocarcinoma									
			1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	3/90 (3%)	2/50 (4%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	
		1/50 (2%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	12/439 (2.73%)	Mean 2.67%	SD 0.94%	Total	4/490 (0.82%)	Mean 0.89%	SD 1.45%	

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

		Male				Female			
#Harderian Gland:									
Adenoma or Adenocarcinoma									
			4/50 (8%)	7/49 (14%)		2/50 (4%)	3/50 (6%)	2/50 (4%)	
		6/50 (12%)	9/90 (10%)	8/50 (16%)		2/50 (4%)	4/90 (4%)	4/50 (8%)	
		3/50 (6%)	2/50 (4%)	6/50 (12%)		1/50 (2%)	6/50 (12%)	1/50 (2%)	
Overall Incidence	Total	45/439 (10.25%)	Mean 10.29%	SD 4.1%	Total	25/490 (5.1%)	Mean 5.16%	SD 3.16%	
.....									
#Harderian Gland:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Intestine Small: Duodenum:									
Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Intestine Small: Duodenum:									
Adenocarcinoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		1/50 (2%)	0/90 (0%)	0/50 (0%)	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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	

#Intestine Small: Jejunum:									
Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	1/50 (2%)		0/50 (0%)	0/90 (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	3/439 (0.68%)	Mean 0.75%	SD 1.49%	Total	0/490 (0%)	Mean 0%	SD 0%	

#Intestine Small: Jejunum:									
Adenocarcinoma									
			1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	2/90 (2%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	6/439 (1.37%)	Mean 1.28%	SD 1.51%	Total	2/490 (0.41%)	Mean 0.44%	SD 1.33%	

#Intestine Small: Jejunum:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
#Intestine Small: Any Site:									
Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	1/50 (2%)		1/50 (2%)	0/90 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	4/439 (0.91%)	Mean 1%	SD 2.14%	Total	2/490 (0.41%)	Mean 0.44%	SD 0.88%	
#Intestine Small: Any Site:									
Adenocarcinoma									
			1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	3/90 (3%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
Overall Incidence	Total	7/439 (1.59%)	Mean 1.42%	SD 1.65%	Total	2/490 (0.41%)	Mean 0.44%	SD 1.33%	
#Intestine Small: Any Site:									
Adenoma or Adenocarcinoma									
			1/50 (2%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	3/90 (3%)	1/50 (2%)		1/50 (2%)	0/90 (0%)	1/50 (2%)	
		0/50 (0%)	2/50 (4%)	3/50 (6%)		0/50 (0%)	0/50 (0%)	2/50 (4%)	
Overall Incidence	Total	11/439 (2.51%)	Mean 2.42%	SD 2.01%	Total	4/490 (0.82%)	Mean 0.89%	SD 1.45%	
#Intestine Small: Any Site:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

		Male				Female			
*Islets, Pancreatic:									
Adenoma									
			0/50 (0%)	1/47 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		1/50 (2%)	0/88 (0%)	0/50 (0%)		0/50 (0%)	0/87 (0%)	0/49 (0%)	
		1/47 (2%)	1/50 (2%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	4/432 (0.93%)	Mean 1.03%	SD 1.1%	Total	0/483 (0%)	Mean 0%	SD 0%	
.....									
*Islets, Pancreatic:									
Carcinoma									
			0/50 (0%)	0/47 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/88 (0%)	0/50 (0%)		0/50 (0%)	1/87 (1%)	0/49 (0%)	
		0/47 (0%)	0/50 (0%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/432 (0%)	Mean 0%	SD 0%	Total	1/483 (0.21%)	Mean 0.13%	SD 0.38%	
.....									
*Islets, Pancreatic:									
Carcinoma or Adenoma									
			0/50 (0%)	1/47 (2%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		1/50 (2%)	0/88 (0%)	0/50 (0%)		0/50 (0%)	1/87 (1%)	0/49 (0%)	
		1/47 (2%)	1/50 (2%)	0/50 (0%)		0/48 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	4/432 (0.93%)	Mean 1.03%	SD 1.1%	Total	1/483 (0.21%)	Mean 0.13%	SD 0.38%	
.....									
*Kidney: Renal Tubule:									
Adenoma									
			0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		1/50 (2%)	2/89 (2%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/437 (0.23%)	Mean 0.26%	SD 0.72%	Total	3/488 (0.61%)	Mean 0.47%	SD 0.94%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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 or Adenoma									
			0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		1/50 (2%)	2/89 (2%)	0/50 (0%)	
		0/50 (0%)	1/49 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/437 (0.23%)	Mean 0.26%	SD 0.72%	Total	3/488 (0.61%)	Mean 0.47%	SD 0.94%	
.....									
*Kidney: Renal Tubule: Hemangiosarcoma									
			0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/89 (0%)	0/50 (0%)	
		1/50 (2%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	1/437 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/488 (0%)	Mean 0%	SD 0%	
.....									
*Kidney: Renal Tubule: Mast Cell Tumor									
			0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/89 (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	1/437 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/488 (0%)	Mean 0%	SD 0%	
.....									
*Kidney: Renal Tubule: Renal Mesenchymal Tumor									
			0/50 (0%)	0/48 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/89 (1%)	0/50 (0%)	
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/437 (0%)	Mean 0%	SD 0%	Total	1/488 (0.2%)	Mean 0.12%	SD 0.37%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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:									
Cholangiocarcinoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/89 (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%)	
Overall Incidence	Total	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/489 (0.2%)	Mean 0.22%	SD 0.67%	

*Liver:									
Hemangioma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/89 (0%)	0/50 (0%)	
		1/50 (2%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	4/439 (0.91%)	Mean 1%	SD 1.51%	Total	1/489 (0.2%)	Mean 0.22%	SD 0.67%	

*Liver:									
Hemangiosarcoma									
			3/50 (6%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/90 (1%)	1/50 (2%)		0/50 (0%)	0/89 (0%)	0/50 (0%)	
		2/50 (4%)	0/50 (0%)	3/50 (6%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	10/439 (2.28%)	Mean 2.39%	SD 2.61%	Total	1/489 (0.2%)	Mean 0.22%	SD 0.67%	

*Liver:									
Hepatoblastoma									
			0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	6/90 (7%)	1/50 (2%)		0/50 (0%)	1/89 (1%)	0/50 (0%)	
		4/50 (8%)	1/50 (2%)	7/50 (14%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	21/439 (4.78%)	Mean 4.59%	SD 4.66%	Total	1/489 (0.2%)	Mean 0.12%	SD 0.37%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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:									
Hepatocellular Adenoma									
			18/50 (36%)	21/49 (43%)		6/50 (12%)	3/50 (6%)	3/50 (6%)	
		25/50 (50%)	52/90 (58%)	25/50 (50%)		12/50 (24%)	19/89 (21%)	8/50 (16%)	
		26/50 (52%)	21/50 (42%)	22/50 (44%)		11/50 (22%)	11/50 (22%)	10/50 (20%)	
Overall Incidence	Total	210/439 (47.84%)	Mean 46.83%	SD 6.88%	Total	83/489 (16.97%)	Mean 16.59%	SD 7.01%	
.....									
*Liver:									
Hepatocellular Carcinoma									
			10/50 (20%)	8/49 (16%)		3/50 (6%)	1/50 (2%)	1/50 (2%)	
		8/50 (16%)	28/90 (31%)	7/50 (14%)		7/50 (14%)	8/89 (9%)	3/50 (6%)	
		15/50 (30%)	5/50 (10%)	11/50 (22%)		2/50 (4%)	1/50 (2%)	2/50 (4%)	
Overall Incidence	Total	92/439 (20.96%)	Mean 19.93%	SD 7.49%	Total	28/489 (5.73%)	Mean 5.44%	SD 3.97%	
.....									
*Liver:									
Hepatocellular Carcinoma or Hepatoblastoma									
			10/50 (20%)	8/49 (16%)		3/50 (6%)	1/50 (2%)	1/50 (2%)	
		9/50 (18%)	32/90 (36%)	8/50 (16%)		7/50 (14%)	9/89 (10%)	3/50 (6%)	
		17/50 (34%)	6/50 (12%)	18/50 (36%)		2/50 (4%)	1/50 (2%)	2/50 (4%)	
Overall Incidence	Total	108/439 (24.6%)	Mean 23.49%	SD 9.96%	Total	29/489 (5.93%)	Mean 5.57%	SD 4.11%	
.....									
*Liver:									
Hepatocellular Carcinoma or Hepatocellular Adenoma									
			24/50 (48%)	26/49 (53%)		8/50 (16%)	4/50 (8%)	4/50 (8%)	
		30/50 (60%)	67/90 (74%)	29/50 (58%)		18/50 (36%)	25/89 (28%)	9/50 (18%)	
		33/50 (66%)	23/50 (46%)	30/50 (60%)		13/50 (26%)	12/50 (24%)	11/50 (22%)	
Overall Incidence	Total	262/439 (59.68%)	Mean 58.19%	SD 9.34%	Total	104/489 (21.27%)	Mean 20.68%	SD 9.23%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
*Liver:									
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma									
			24/50 (48%)	26/49 (53%)	8/50 (16%)	4/50 (8%)	4/50 (8%)		
		31/50 (62%)	68/90 (76%)	30/50 (60%)	18/50 (36%)	25/89 (28%)	9/50 (18%)		
		34/50 (68%)	24/50 (48%)	36/50 (72%)	13/50 (26%)	12/50 (24%)	11/50 (22%)		
Overall Incidence	Total	273/439 (62.19%)	Mean 60.83%	SD 10.59%	Total	104/489 (21.27%)	Mean 20.68%	SD 9.23%	
.....									
*Liver:									
Hepatocholangiocarcinoma									
			0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		3/50 (6%)	1/90 (1%)	2/50 (4%)	0/50 (0%)	0/89 (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	8/439 (1.82%)	Mean 1.89%	SD 2.16%	Total	0/489 (0%)	Mean 0%	SD 0%	
.....									
*Liver:									
Ito Cell Tumor Benign									
			0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/90 (0%)	1/50 (2%)	0/50 (0%)	0/89 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/489 (0%)	Mean 0%	SD 0%	
.....									
*Liver:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/90 (1%)	0/50 (0%)	0/50 (0%)	0/89 (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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/489 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
*Lung:									
Alveolar/Bronchiolar Adenoma									
			9/50 (18%)	7/49 (14%)		2/50 (4%)	2/50 (4%)	5/50 (10%)	
		11/50 (22%)	13/90 (14%)	8/50 (16%)		5/50 (10%)	3/90 (3%)	1/50 (2%)	
		5/50 (10%)	8/50 (16%)	9/50 (18%)		2/50 (4%)	3/50 (6%)	0/50 (0%)	
Overall Incidence	Total	70/439 (15.95%)	Mean 16.09%	SD 3.49%	Total	23/490 (4.69%)	Mean 4.81%	SD 3.36%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma									
			3/50 (6%)	5/49 (10%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		6/50 (12%)	13/90 (14%)	4/50 (8%)		0/50 (0%)	3/90 (3%)	3/50 (6%)	
		2/50 (4%)	1/50 (2%)	1/50 (2%)		2/50 (4%)	1/50 (2%)	2/50 (4%)	
Overall Incidence	Total	35/439 (7.97%)	Mean 7.33%	SD 4.64%	Total	11/490 (2.24%)	Mean 2.15%	SD 2.28%	
.....									
*Lung:									
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma									
			11/50 (22%)	11/49 (22%)		2/50 (4%)	2/50 (4%)	5/50 (10%)	
		17/50 (34%)	23/90 (26%)	11/50 (22%)		5/50 (10%)	6/90 (7%)	4/50 (8%)	
		7/50 (14%)	9/50 (18%)	10/50 (20%)		4/50 (8%)	4/50 (8%)	2/50 (4%)	
Overall Incidence	Total	99/439 (22.55%)	Mean 22.25%	SD 5.86%	Total	34/490 (6.94%)	Mean 6.96%	SD 2.45%	
.....									
*Lung:									
Hemangiosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
*Lung:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node:									
Hemangiosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Lymph Node:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node, Axillary:									
Hemangioma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
#Lymph Node, Mandibular: Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node, Mandibular: Mast Cell Tumor Malignant									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node, Mesenteric: Hemangioma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Lymph Node, Mesenteric: Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
#Lymph Node, Mesenteric:									
Mast Cell Tumor Malignant									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Mammary Gland:									
Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	5/490 (1.02%)	Mean 1.11%	SD 1.45%	
.....									
#Mammary Gland:									
Adenocarcinoma									
			0/50 (0%)	1/49 (2%)		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	2/439 (0.46%)	Mean 0.51%	SD 0.94%	Total	4/490 (0.82%)	Mean 0.89%	SD 2.03%	
.....									
#Mammary Gland:									
Adenoma or Adenocarcinoma									
			0/50 (0%)	1/49 (2%)		0/50 (0%)	4/50 (8%)	1/50 (2%)	1/50 (2%)
		1/50 (2%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/439 (0.46%)	Mean 0.51%	SD 0.94%	Total	9/490 (1.84%)	Mean 2%	SD 2.65%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
#Mammary Gland:									
Fibroma, Fibroadenoma or Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	5/490 (1.02%)	Mean 1.11%	SD 1.45%	
.....									
#Mammary Gland:									
Fibroma, Fibroadenoma, Adenocarcinoma, or Adenoma									
			0/50 (0%)	1/49 (2%)		0/50 (0%)	4/50 (8%)	1/50 (2%)	
		1/50 (2%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
Overall Incidence	Total	2/439 (0.46%)	Mean 0.51%	SD 0.94%	Total	9/490 (1.84%)	Mean 2%	SD 2.65%	
.....									
#Mesentery:									
Hemangioma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/90 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.12%	SD 0.37%	
.....									
#Mesentery:									
Hemangiosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/90 (1%)	0/50 (0%)		1/50 (2%)	0/90 (0%)	0/50 (0%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/439 (0.46%)	Mean 0.39%	SD 0.76%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
#Mesentery:									
Lipoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Mesentery:									
Sarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
*Nose:									
Carcinoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/89 (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	0/439 (0%)	Mean 0%	SD 0%	Total	1/489 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
*Nose:									
Polyp									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/89 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/489 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Papilloma Squamous or Papilloma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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%)
Overall Incidence	Total	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	2/490 (0.41%)	Mean 0.44%	SD 0.88%	
.....									
#Oral Mucosa: Squamous Cell Carcinoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

	Male	Female
*Ovary:		
Cystadenoma		
	2/49 (4%)	3/48 (6%)
	2/50 (4%)	2/75 (3%)
	3/49 (6%)	0/49 (0%)
Overall Incidence	Total 22/465 (4.73%)	Mean 4.87% SD 2.47%
.....		
*Ovary:		
Granulosa Cell Tumor Benign		
	0/49 (0%)	0/48 (0%)
	0/50 (0%)	1/75 (1%)
	0/49 (0%)	1/49 (2%)
Overall Incidence	Total 2/465 (0.43%)	Mean 0.37% SD 0.76%
.....		
*Ovary:		
Granulosa Cell Tumor: Benign, Malignant, NOS		
	0/49 (0%)	0/48 (0%)
	0/50 (0%)	1/75 (1%)
	0/49 (0%)	1/49 (2%)
Overall Incidence	Total 2/465 (0.43%)	Mean 0.37% SD 0.76%
.....		
*Ovary:		
Granulosa-Theca Tumor Malignant		
	0/49 (0%)	0/48 (0%)
	1/50 (2%)	0/75 (0%)
	0/49 (0%)	0/49 (0%)
Overall Incidence	Total 1/465 (0.22%)	Mean 0.22% SD 0.67%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

	Male	Female
*Ovary:		
Hemangioma		
	0/49 (0%)	0/48 (0%)
	0/50 (0%)	2/75 (3%)
	0/49 (0%)	0/49 (0%)
Overall Incidence	Total 5/465 (1.08%)	Mean 0.99% SD 1.58%

*Ovary:		
Hemangiosarcoma		
	0/49 (0%)	2/48 (4%)
	0/50 (0%)	0/75 (0%)
	0/49 (0%)	0/49 (0%)
Overall Incidence	Total 2/465 (0.43%)	Mean 0.46% SD 1.39%

*Ovary:		
Luteoma		
	0/49 (0%)	0/48 (0%)
	2/50 (4%)	0/75 (0%)
	1/49 (2%)	0/49 (0%)
Overall Incidence	Total 3/465 (0.65%)	Mean 0.67% SD 1.42%

*Ovary:		
Thecoma Benign		
	0/49 (0%)	0/48 (0%)
	0/50 (0%)	0/75 (0%)
	0/49 (0%)	0/49 (0%)
Overall Incidence	Total 1/465 (0.22%)	Mean 0.23% SD 0.69%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female							
*Ovary:													
Thecoma Malignant													
			0/49	(0%)		0/48	(0%)	0/48	(0%)				
			0/50	(0%)		1/75	(1%)	0/49	(0%)				
			0/49	(0%)		0/49	(0%)	0/48	(0%)				
Overall Incidence			Total 1/465 (0.22%)			Mean 0.15%		SD 0.44%					
.....													
*Ovary:													
Tubulostromal Adenoma													
			0/49	(0%)		0/48	(0%)	0/48	(0%)				
			0/50	(0%)		0/75	(0%)	1/49	(2%)				
			0/49	(0%)		0/49	(0%)	0/48	(0%)				
Overall Incidence			Total 1/465 (0.22%)			Mean 0.23%		SD 0.68%					
.....													
*Ovary:													
Tubulostromal Carcinoma													
			0/49	(0%)		0/48	(0%)	0/48	(0%)				
			0/50	(0%)		0/75	(0%)	0/49	(0%)				
			0/49	(0%)		0/49	(0%)	1/48	(2%)				
Overall Incidence			Total 1/465 (0.22%)			Mean 0.23%		SD 0.69%					
.....													
*Pancreas:													
Mast Cell Tumor													
			0/50	(0%)	0/49	(0%)	0/50	(0%)	0/49	(0%)			
		0/50	(0%)	1/87	(1%)	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	1/436 (0.23%)		Mean	0.14%	SD	0.41%	Total	0/486 (0%)	Mean	0%	SD	0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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

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 Report Date: 11/18/2022

		Male				Female			
*Parathyroid Gland:									
 Carcinoma									
			0/40 (0%)	0/32 (0%)		0/41 (0%)	0/43 (0%)	0/21 (0%)	
		0/36 (0%)	0/68 (0%)	0/40 (0%)		0/36 (0%)	0/60 (0%)	0/37 (0%)	
		0/44 (0%)	1/42 (2%)	0/38 (0%)		0/45 (0%)	0/43 (0%)	0/35 (0%)	
Overall Incidence	Total	1/340 (0.29%)	Mean 0.3%	SD 0.84%	Total	0/361 (0%)	Mean 0%	SD 0%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
 Adenoma									
			0/48 (0%)	0/45 (0%)		2/49 (4%)	1/49 (2%)	0/47 (0%)	
		0/50 (0%)	0/86 (0%)	0/48 (0%)		4/50 (8%)	6/80 (8%)	3/47 (6%)	
		0/48 (0%)	0/50 (0%)	0/43 (0%)		2/50 (4%)	3/50 (6%)	7/46 (15%)	
Overall Incidence	Total	0/418 (0%)	Mean 0%	SD 0%	Total	28/468 (5.98%)	Mean 5.91%	SD 4.34%	
.....									
*Pituitary Gland: Pars Distalis or Unspecified Site:									
 Carcinoma or Adenoma									
			0/48 (0%)	0/45 (0%)		2/49 (4%)	1/49 (2%)	0/47 (0%)	
		0/50 (0%)	0/86 (0%)	0/48 (0%)		4/50 (8%)	6/80 (8%)	3/47 (6%)	
		0/48 (0%)	0/50 (0%)	0/43 (0%)		2/50 (4%)	3/50 (6%)	7/46 (15%)	
Overall Incidence	Total	0/418 (0%)	Mean 0%	SD 0%	Total	28/468 (5.98%)	Mean 5.91%	SD 4.34%	
.....									
*Pituitary Gland: Pars Intermedia:									
 Adenoma									
			0/48 (0%)	0/45 (0%)		0/49 (0%)	0/49 (0%)	1/47 (2%)	
		0/50 (0%)	0/86 (0%)	0/48 (0%)		0/50 (0%)	0/80 (0%)	0/47 (0%)	
		0/48 (0%)	0/50 (0%)	0/43 (0%)		0/50 (0%)	0/50 (0%)	1/46 (2%)	
Overall Incidence	Total	0/418 (0%)	Mean 0%	SD 0%	Total	2/468 (0.43%)	Mean 0.48%	SD 0.95%	

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

		Male				Female			
*Pituitary Gland: Pars Intermedia:									
 Carcinoma or Adenoma									
			0/48 (0%)	0/45 (0%)		0/49 (0%)	0/49 (0%)	1/47 (2%)	
		0/50 (0%)	0/86 (0%)	0/48 (0%)		0/50 (0%)	0/80 (0%)	0/47 (0%)	
		0/48 (0%)	0/50 (0%)	0/43 (0%)		0/50 (0%)	0/50 (0%)	1/46 (2%)	
Overall Incidence	Total	0/418 (0%)	Mean 0%	SD 0%	Total	2/468 (0.43%)	Mean 0.48%	SD 0.95%	
.....									
*Pituitary Gland: Pars Intermedia:									
 Schwannoma Malignant									
			0/48 (0%)	0/45 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)	
		1/50 (2%)	0/86 (0%)	0/48 (0%)		0/50 (0%)	0/80 (0%)	0/47 (0%)	
		0/48 (0%)	0/50 (0%)	0/43 (0%)		0/50 (0%)	0/50 (0%)	0/46 (0%)	
Overall Incidence	Total	1/418 (0.24%)	Mean 0.25%	SD 0.71%	Total	0/468 (0%)	Mean 0%	SD 0%	
.....									
*Prostate:									
 Hemangiosarcoma									
			0/50 (0%)	0/49 (0%)					
		0/50 (0%)	0/90 (0%)	1/50 (2%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	1/439 (0.23%)	Mean 0.25%	SD 0.71%					
.....									
*Prostate:									
 Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)					
		0/50 (0%)	1/90 (1%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	1/439 (0.23%)	Mean 0.14%	SD 0.39%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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			
*Salivary Glands:									
Adenocarcinoma									
			0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		1/50 (2%)	0/89 (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	0/438 (0%)	Mean 0%	SD 0%	Total	1/488 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
*Salivary Glands:									
Adenoma or Adenocarcinoma									
			0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		1/50 (2%)	0/89 (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	0/438 (0%)	Mean 0%	SD 0%	Total	1/488 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
*Salivary Glands:									
Mast Cell Tumor									
			0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)	
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/89 (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	1/438 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/488 (0%)	Mean 0%	SD 0%	
.....									
#Seminal Vesicle:									
Fibroma									
			0/50 (0%)	0/49 (0%)					
		0/50 (0%)	1/90 (1%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	1/439 (0.23%)	Mean 0.14%	SD 0.39%					

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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			
#Skeletal Muscle: Hemangiosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Skeletal Muscle: Osteosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/90 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.12%	SD 0.37%	
.....									
#Skeletal Muscle: Rhabdomyosarcoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	0/90 (0%)	0/50 (0%)		2/50 (4%)	0/90 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	3/439 (0.68%)	Mean 0.75%	SD 1.49%	Total	7/490 (1.43%)	Mean 1.56%	SD 1.33%	
.....									
#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	1/50 (2%)	1/50 (2%)	
		1/50 (2%)	0/90 (0%)	0/50 (0%)		2/50 (4%)	0/90 (0%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	3/439 (0.68%)	Mean 0.75%	SD 1.49%	Total	7/490 (1.43%)	Mean 1.56%	SD 1.33%	

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

		Male				Female			
#Skeletal Muscle:									
Sarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	2/490 (0.41%)	Mean 0.44%	SD 0.88%	
.....									
#Skin:									
Basal Cell Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	1/50 (2%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Basal Cell Adenoma or Basosquamous Tumor Benign									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	1/50 (2%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	1/50 (2%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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					
#Skin:											
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma											
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/90	(0%)	1/50	(2%)	0/50	(0%)	0/90	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/439 (0.23%)		Mean 0.25%		SD 0.71%		Total	0/490 (0%)		Mean 0%
								Total	0/490 (0%)		SD 0%
#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%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/90	(0%)	1/50	(2%)	0/50	(0%)	0/90	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	1/439 (0.23%)		Mean 0.25%		SD 0.71%		Total	0/490 (0%)		Mean 0%
								Total	0/490 (0%)		SD 0%
#Skin:											
Fibroma											
		0/50	(0%)	0/50	(0%)	0/49	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/90	(0%)	0/50	(0%)	0/50	(0%)	1/90	(1%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
Overall Incidence	Total	0/439 (0%)		Mean 0%		SD 0%		Total	1/490 (0.2%)		Mean 0.12%
								Total	1/490 (0.2%)		SD 0.37%
#Skin:											
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma											
		0/50	(0%)	0/50	(0%)	0/49	(0%)	1/50	(2%)	2/50	(4%)
		1/50	(2%)	1/90	(1%)	0/50	(0%)	1/50	(2%)	6/90	(7%)
		0/50	(0%)	2/50	(4%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
Overall Incidence	Total	4/439 (0.91%)		Mean 0.89%		SD 1.46%		Total	16/490 (3.27%)		Mean 2.96%
								Total	16/490 (3.27%)		SD 2.38%
*: Denominator is number of animals with tissues examined microscopically											
#: Denominator is number of animals necropsied											

		Male				Female			
#Skin:									
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
		1/50 (2%)	1/90 (1%)	0/50 (0%)		1/50 (2%)	6/90 (7%)	2/50 (4%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	3/50 (6%)	
Overall Incidence	Total	4/439 (0.91%)	Mean 0.89%	SD 1.46%	Total	16/490 (3.27%)	Mean 2.96%	SD 2.38%	
.....									
#Skin:									
Fibrosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	3/90 (3%)	1/50 (2%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	3/50 (6%)	
Overall Incidence	Total	2/439 (0.46%)	Mean 0.5%	SD 1.41%	Total	7/490 (1.43%)	Mean 1.26%	SD 2.15%	
.....									
#Skin:									
Fibrosarcoma, Sarcoma, Myxosarcoma, or Malignant Fibrous Histiocytoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)	
		1/50 (2%)	1/90 (1%)	0/50 (0%)		1/50 (2%)	5/90 (6%)	2/50 (4%)	
		0/50 (0%)	2/50 (4%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	3/50 (6%)	
Overall Incidence	Total	4/439 (0.91%)	Mean 0.89%	SD 1.46%	Total	15/490 (3.06%)	Mean 2.84%	SD 2.19%	
.....									
#Skin:									
Hemangioma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	0/439 (0%)	Mean 0%	SD 0%	Total	0/490 (0%)	Mean 0%	SD 0%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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			
#Skin:									
Hemangiosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		2/50 (4%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	2/90 (2%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	3/439 (0.68%)	Mean 0.64%	SD 1.41%	Total	4/490 (0.82%)	Mean 0.69%	SD 1.04%	
.....									
#Skin:									
Lipoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	1/90 (1%)	0/50 (0%)	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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	1/490 (0.2%)	Mean 0.12%	SD 0.37%	
.....									
#Skin:									
Liposarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Skin:									
Malignant Fibrous Histiocytoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/439 (0.46%)	Mean 0.39%	SD 0.76%	Total	4/490 (0.82%)	Mean 0.89%	SD 1.45%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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			
#Skin:									
Melanoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Skin:									
Osteosarcoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/90 (1%)	0/50 (0%)	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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.12%	SD 0.37%	
.....									
#Skin:									
Pilomatrixoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/90 (1%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	1/439 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Skin:									
Sarcoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		1/50 (2%)	2/90 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/439 (0%)	Mean 0%	SD 0%	Total	4/490 (0.82%)	Mean 0.69%	SD 1.04%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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			
#Skin: Sebaceous Gland:									
Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
#Spinal Cord:									
Astrocytoma Malignant									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (0%)	0/50 (0%)	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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
#Spinal Cord:									
Schwannoma Malignant									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
*Spleen:									
Hemangiosarcoma									
			0/50 (0%)	1/48 (2%)		1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
		1/50 (2%)	0/87 (0%)	1/50 (2%)		1/50 (2%)	0/86 (0%)	0/50 (0%)	0/50 (0%)
		4/49 (8%)	2/50 (4%)	0/49 (0%)		0/50 (0%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	9/433 (2.08%)	Mean 2.28%	SD 2.76%	Total	3/484 (0.62%)	Mean 0.67%	SD 1.01%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
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		Male				Female			
#Stomach, Forestomach:									
Mast Cell Tumor Malignant									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
#Stomach, Forestomach:									
Squamous Cell Carcinoma or Papilloma Squamous									
			1/50 (2%)	2/49 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	0/90 (0%)	1/50 (2%)		1/50 (2%)	1/90 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	5/439 (1.14%)	Mean 1.26%	SD 1.51%	Total	5/490 (1.02%)	Mean 1.01%	SD 1%	
.....									
#Stomach, Forestomach:									
Squamous Cell Papilloma									
			1/50 (2%)	2/49 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		1/50 (2%)	0/90 (0%)	1/50 (2%)		1/50 (2%)	1/90 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	5/439 (1.14%)	Mean 1.26%	SD 1.51%	Total	5/490 (1.02%)	Mean 1.01%	SD 1%	
.....									
#Stomach, Glandular:									
Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

Toxicology Data Management System
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		Male				Female			
#Stomach, Glandular:									
Carcinoma or Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	0/439 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
*Testis:									
Adenoma									
			0/50 (0%)	0/49 (0%)					
		0/50 (0%)	2/90 (2%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	1/50 (2%)					
Overall Incidence	Total	3/439 (0.68%)	Mean 0.53%	SD 0.98%					
.....									
*Testis:									
Hemangioma									
			0/50 (0%)	1/49 (2%)					
		0/50 (0%)	0/90 (0%)	0/50 (0%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	1/439 (0.23%)	Mean 0.26%	SD 0.72%					
.....									
*Thymus:									
Hemangiosarcoma									
			0/45 (0%)	0/45 (0%)		0/48 (0%)	0/45 (0%)	0/48 (0%)	
		0/48 (0%)	0/75 (0%)	0/41 (0%)		0/50 (0%)	0/85 (0%)	0/49 (0%)	
		0/45 (0%)	0/46 (0%)	1/46 (2%)		0/49 (0%)	0/48 (0%)	0/47 (0%)	
Overall Incidence	Total	1/391 (0.26%)	Mean 0.27%	SD 0.77%	Total	0/469 (0%)	Mean 0%	SD 0%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
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		Male				Female			
*Thymus:									
Thymoma Benign									
			0/45 (0%)	0/45 (0%)		0/48 (0%)	0/45 (0%)	0/48 (0%)	
		0/48 (0%)	0/75 (0%)	0/41 (0%)		0/50 (0%)	0/85 (0%)	0/49 (0%)	
		0/45 (0%)	0/46 (0%)	0/46 (0%)		0/49 (0%)	0/48 (0%)	1/47 (2%)	
Overall Incidence	Total	0/391 (0%)	Mean 0%	SD 0%	Total	1/469 (0.21%)	Mean 0.24%	SD 0.71%	

*Thyroid Gland: C-Cell:									
Carcinoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/48 (0%)	
		0/50 (0%)	0/89 (0%)	0/50 (0%)		0/50 (0%)	1/86 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/48 (0%)	
Overall Incidence	Total	0/438 (0%)	Mean 0%	SD 0%	Total	2/480 (0.42%)	Mean 0.35%	SD 0.73%	

*Thyroid Gland: C-Cell:									
Carcinoma or Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	1/50 (2%)	0/48 (0%)	
		0/50 (0%)	0/89 (0%)	0/50 (0%)		0/50 (0%)	1/86 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/48 (0%)	
Overall Incidence	Total	0/438 (0%)	Mean 0%	SD 0%	Total	2/480 (0.42%)	Mean 0.35%	SD 0.73%	

*Thyroid Gland: Follicular Cell:									
Adenoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/48 (2%)	
		0/50 (0%)	0/89 (0%)	0/50 (0%)		0/50 (0%)	0/86 (0%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/49 (2%)	0/49 (0%)	1/49 (2%)	
Overall Incidence	Total	0/438 (0%)	Mean 0%	SD 0%	Total	3/481 (0.62%)	Mean 0.68%	SD 1.03%	

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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			
*Thyroid Gland: Follicular Cell: Carcinoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	0/48 (0%)	
		0/50 (0%)	0/89 (0%)	0/50 (0%)		0/50 (0%)	0/86 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	
Overall Incidence	Total	1/438 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/481 (0.21%)	Mean 0.22%	SD 0.67%	
.....									
*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma									
			0/50 (0%)	0/49 (0%)		1/50 (2%)	0/50 (0%)	1/48 (2%)	
		0/50 (0%)	0/89 (0%)	0/50 (0%)		0/50 (0%)	0/86 (0%)	0/50 (0%)	
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/49 (2%)	0/49 (0%)	1/49 (2%)	
Overall Incidence	Total	1/438 (0.23%)	Mean 0.25%	SD 0.71%	Total	4/481 (0.83%)	Mean 0.91%	SD 1.08%	
.....									
#Tongue: Squamous Cell Carcinoma or Papilloma Squamous									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Tongue: Squamous Cell Papilloma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

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 Tumor Incidence for Selected Control Animal Groups
 Route: ALL ROUTES
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		Male				Female			
#Tooth:									
Odontoma									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	0/90 (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	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
*Urinary Bladder:									
Mast Cell Tumor									
			0/50 (0%)	0/49 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/87 (1%)	0/50 (0%)		0/50 (0%)	0/86 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
Overall Incidence	Total	1/435 (0.23%)	Mean 0.14%	SD 0.41%	Total	0/482 (0%)	Mean 0%	SD 0%	
.....									
#Uterus:									
Adenocarcinoma or Adenoma									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total				Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
#Uterus:									
Adenoma									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/90 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total				Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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:						
Fibroma						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	1/90	(1%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
Overall Incidence	Total	1/490	(0.2%)	Mean	0.12%	SD 0.37%
.....						
#Uterus:						
Granular Cell Tumor Benign						
		1/50	(2%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	0/90	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
Overall Incidence	Total	1/490	(0.2%)	Mean	0.22%	SD 0.67%
.....						
#Uterus:						
Hemangioma						
		1/50	(2%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	0/90	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
Overall Incidence	Total	1/490	(0.2%)	Mean	0.22%	SD 0.67%
.....						
#Uterus:						
Hemangiosarcoma						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		1/50	(2%)	0/90	(0%)	0/50 (0%)
		1/50	(2%)	0/50	(0%)	0/50 (0%)
Overall Incidence	Total	2/490	(0.41%)	Mean	0.44%	SD 0.88%

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 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:		
Leiomyoma		
	0/50 (0%)	1/50 (2%)
	0/50 (0%)	1/90 (1%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 2/490 (0.41%)	Mean 0.35% SD 0.72%
#Uterus:		
Polyp Stromal		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/90 (0%)
	0/50 (0%)	1/50 (2%)
Overall Incidence	Total 3/490 (0.61%)	Mean 0.67% SD 1%
#Uterus:		
Sarcoma		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/90 (0%)
	0/50 (0%)	0/50 (0%)
Overall Incidence	Total 1/490 (0.2%)	Mean 0.22% SD 0.67%
#Uterus:		
Sarcoma Stromal or Polyp Stromal		
	1/50 (2%)	0/50 (0%)
	0/50 (0%)	0/90 (0%)
	0/50 (0%)	1/50 (2%)
Overall Incidence	Total 3/490 (0.61%)	Mean 0.67% SD 1%

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

Version: Oct2022
 Contract/Lab: All Laboratories
 Species: MICE
 Strain: B6C3F1/N
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
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	Male		Female			
#Vagina:						
Hemangioma						
		0/50 (0%)		1/50 (2%)	0/50 (0%)	
		0/50 (0%)		0/90 (0%)	0/50 (0%)	
		0/50 (0%)		0/50 (0%)	0/50 (0%)	
Overall Incidence		Total 1/490 (0.2%)		Mean 0.22%	SD 0.67%	

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