



National Toxicology Program  
Department of Health and Human Services

# NTP Historical Controls Report

## All Routes and Vehicles

### MICE

November 2024

# 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.

This report combines data from all of the historical control studies into one section. To see this data broken up by route and vehicle, please refer to 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 for these studies, there are blank spaces where the tumor rates would normally be found, so that the male and female rates for the remaining studies can be easily compared.

# NOMENCLATURE CHANGES

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The following changes to tissue or morphology nomenclature are seen in recent historical control reports:

Skin "Malignant Fibrous Histiocytoma" is now labeled as "Pleomorphic Fibrosarcoma" (changed on 2024 report).

The All Organs "Malignant Lymphoma" pool label now includes "Large Granular" (changed on 2024 report).

"Carcinoma" is now labeled as "Adenocarcinoma" for several organs, including harderian gland, intestine, mammary gland, salivary gland, and uterus (changed on 2022 report).

Small Intestine "Site Unspecified" is now labeled as "Any Site" (changed on 2022 report).

Version: Nov2024  
 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: 4  
 Report Date: 11/07/2024

**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 Columbus Laboratory	050706204	06/28/16	742	50(1)	37(709)	51.0	1020 Long Multiwalled Carbon Nanotubes
Battelle Columbus Laboratory	052030201	02/09/15	729	50(1)	39(696)	52.2	alpha-Pinene
Battelle Columbus Laboratory	050005804	N/A	N/A	0(0)	0(0)	N/A	Black Cohosh
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	051105402	05/19/15	730	50(1)	34(701)	56.1	Sulfolane
Battelle Columbus Laboratory	052071204	10/25/11	731	50(1)	39(701)	50.0	Tris(Chloropropyl)phosphate
<b>Female</b>							
Battelle Columbus Laboratory	050706204	06/28/16	744	50(1)	37(708)	59.1	1020 Long Multiwalled Carbon Nanotubes
Battelle Columbus Laboratory	052030201	02/09/15	731	50(1)	33(688)	56.1	alpha-Pinene
Battelle Columbus Laboratory	050005804	04/09/12	729	50(4)	40(703)	58.8	Black Cohosh
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	051105402	05/18/15	728	50(4)	35(702)	61.8	Sulfolane
Battelle Columbus Laboratory	052071204	10/24/11	729	50(4)	46(726)	51.9	Tris(Chloropropyl)phosphate

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

Version: Nov2024  
 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: 5  
 Report Date: 11/07/2024

		Male				Female			
<b>#All Organs:</b>									
<b>Benign Tumors</b>									
		20/50 (40%)	28/50 (56%)		28/50 (56%)	18/50 (36%)	15/50 (30%)		
		32/50 (64%)	61/90 (68%)	33/50 (66%)	24/50 (48%)	36/90 (40%)	17/50 (34%)		
		31/50 (62%)	32/50 (64%)	25/50 (50%)	20/50 (40%)	25/50 (50%)	21/50 (42%)		
<b>Overall Incidence</b>	Total	262/440 (59.55%)	Mean 58.72%	SD 9.53%	Total	204/490 (41.63%)	Mean 41.78%	SD 8.27%	
.....									
<b>#All Organs:</b>									
<b>Malignant Tumors</b>									
		24/50 (48%)	23/50 (46%)		19/50 (38%)	24/50 (48%)	22/50 (44%)		
		25/50 (50%)	49/90 (54%)	24/50 (48%)	24/50 (48%)	33/90 (37%)	18/50 (36%)		
		30/50 (60%)	22/50 (44%)	20/50 (40%)	15/50 (30%)	18/50 (36%)	12/50 (24%)		
<b>Overall Incidence</b>	Total	217/440 (49.32%)	Mean 48.81%	SD 6.19%	Total	185/490 (37.76%)	Mean 37.85%	SD 7.95%	
.....									
<b>#All Organs:</b>									
<b>Malignant and Benign Tumors</b>									
		36/50 (72%)	40/50 (80%)		33/50 (66%)	36/50 (72%)	31/50 (62%)		
		44/50 (88%)	79/90 (88%)	41/50 (82%)	38/50 (76%)	59/90 (66%)	27/50 (54%)		
		42/50 (84%)	41/50 (82%)	34/50 (68%)	32/50 (64%)	34/50 (68%)	27/50 (54%)		
<b>Overall Incidence</b>	Total	357/440 (81.14%)	Mean 80.47%	SD 7.12%	Total	317/490 (64.69%)	Mean 64.62%	SD 7.34%	
.....									
<b>#All Organs:</b>									
<b>Hemangioma</b>									
		1/50 (2%)	0/50 (0%)		3/50 (6%)	0/50 (0%)	1/50 (2%)		
		0/50 (0%)	1/90 (1%)	0/50 (0%)	0/50 (0%)	4/90 (4%)	0/50 (0%)		
		1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)	3/50 (6%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	6/440 (1.36%)	Mean 1.39%	SD 1.4%	Total	11/490 (2.24%)	Mean 2.05%	SD 2.69%	

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

Version: Nov2024  
 Contract/Lab: All Laboratories  
 Species: MICE  
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**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: ALL ROUTES  
 Vehicle: ALL VEHICLES

Page: 6  
 Report Date: 11/07/2024

		Male				Female			
<b>#All Organs:</b>									
<b>Hemangiosarcoma</b>									
		2/50 (4%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	1/50 (2%)		
		2/50 (4%)	2/90 (2%)	3/50 (6%)	3/50 (6%)	2/90 (2%)	1/50 (2%)		
		5/50 (10%)	3/50 (6%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	19/440 (4.32%)	Mean 4.53%	SD 2.95%	Total	12/490 (2.45%)	Mean 2.47%	SD 1.33%	
.....									
<b>#All Organs:</b>									
<b>Hemangiosarcoma or Hemangioma</b>									
		3/50 (6%)	0/50 (0%)		4/50 (8%)	1/50 (2%)	2/50 (4%)		
		2/50 (4%)	3/90 (3%)	3/50 (6%)	3/50 (6%)	6/90 (7%)	1/50 (2%)		
		6/50 (12%)	4/50 (8%)	3/50 (6%)	1/50 (2%)	4/50 (8%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	24/440 (5.45%)	Mean 5.67%	SD 3.51%	Total	23/490 (4.69%)	Mean 4.52%	SD 2.66%	
.....									
<b>#All Organs:</b>									
<b>Histiocytic Sarcoma</b>									
		0/50 (0%)	0/50 (0%)		2/50 (4%)	4/50 (8%)	2/50 (4%)		
		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%)	2/50 (4%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	2/440 (0.45%)	Mean 0.5%	SD 0.93%	Total	24/490 (4.9%)	Mean 4.54%	SD 2.58%	
.....									
<b>#All Organs:</b>									
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>									
		0/50 (0%)	0/50 (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%)		
<b>Overall Incidence</b>	Total	0/440 (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

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

Page: 7  
 Report Date: 11/07/2024

		Male				Female			
<b>#All Organs:</b>									
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, Large Granular, or Undifferentiated Cell Type</b>									
		6/50 (12%)	1/50 (2%)			10/50 (20%)	7/50 (14%)	10/50 (20%)	
		6/50 (12%)	6/90 (7%)	7/50 (14%)		9/50 (18%)	2/90 (2%)	9/50 (18%)	
		5/50 (10%)	2/50 (4%)	5/50 (10%)		4/50 (8%)	5/50 (10%)	8/50 (16%)	
<b>Overall Incidence</b>	Total	38/440 (8.64%)	Mean 8.83%	SD 4.21%	Total	64/490 (13.06%)	Mean 14.02%	SD 6.11%	
<hr/>									
<b>#All Organs:</b>									
<b>Malignant Schwannoma</b>									
		0/50 (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%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/440 (0.45%)	Mean 0.5%	SD 0.93%	Total	0/490 (0%)	Mean 0%	SD 0%	
<hr/>									
<b>#All Organs:</b>									
<b>Mast Cell Tumor</b>									
		0/50 (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%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/440 (0.45%)	Mean 0.39%	SD 0.76%	Total	0/490 (0%)	Mean 0%	SD 0%	
<hr/>									
<b>*Adrenal Cortex:</b>									
<b>Adenoma</b>									
		0/50 (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%)	1/84 (1%)	0/50 (0%)	
		1/50 (2%)	0/47 (0%)	1/50 (2%)		0/50 (0%)	0/48 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/437 (0.46%)	Mean 0.5%	SD 0.93%	Total	1/482 (0.21%)	Mean 0.13%	SD 0.4%	

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

#: Denominator is number of animals necropsied

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

Page: 8  
 Report Date: 11/07/2024

		Male				Female			
<b>*Adrenal Cortex:</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%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	1/84 (1%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/47 (0%)	1/50 (2%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	<b>2/437 (0.46%)</b>	<b>Mean 0.5%</b>	<b>SD 0.93%</b>	<b>Total</b>	<b>1/482 (0.21%)</b>	<b>Mean 0.13%</b>	<b>SD 0.4%</b>	
.....									
<b>*Adrenal Medulla:</b>									
<b>  Pheochromocytoma Benign</b>									
		0/50 (0%)	0/50 (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%)	0/83 (0%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	<b>0/436 (0%)</b>	<b>Mean 0%</b>	<b>SD 0%</b>	<b>Total</b>	<b>3/481 (0.62%)</b>	<b>Mean 0.67%</b>	<b>SD 1%</b>	
.....									
<b>*Adrenal Medulla:</b>									
<b>  Pheochromocytoma Malignant</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	1/50 (2%)	0/50 (0%)	2/83 (2%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	<b>1/436 (0.23%)</b>	<b>Mean 0.25%</b>	<b>SD 0.71%</b>	<b>Total</b>	<b>3/481 (0.62%)</b>	<b>Mean 0.49%</b>	<b>SD 0.98%</b>	
.....									
<b>*Adrenal Medulla:</b>									
<b>  Pheochromocytoma: Benign, Complex, Malignant, NOS</b>									
		0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	1/50 (2%)	1/50 (2%)	2/83 (2%)	0/50 (0%)	0/50 (0%)	
		0/49 (0%)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/48 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	<b>Total</b>	<b>1/436 (0.23%)</b>	<b>Mean 0.25%</b>	<b>SD 0.71%</b>	<b>Total</b>	<b>6/481 (1.25%)</b>	<b>Mean 1.16%</b>	<b>SD 1.1%</b>	

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

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

Page: 9  
 Report Date: 11/07/2024

		Male				Female								
<b>#Bone:</b>														
<b>Fibrosarcoma</b>														
		0/50	(0%)	0/50	(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%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	1/490 (0.2%)		Mean 0.22%		SD 0.67%	
.....														
<b>#Bone:</b>														
<b>Hemangioma</b>														
		0/50	(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%)	
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	1/490 (0.2%)		Mean 0.12%		SD 0.37%	
.....														
<b>#Bone:</b>														
<b>Hemangiosarcoma</b>														
		0/50	(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%)	
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	
<b>Overall Incidence</b>	Total	1/440 (0.23%)		Mean 0.25%		SD 0.71%		Total	0/490 (0%)		Mean 0%		SD 0%	
.....														
<b>#Bone:</b>														
<b>Osteoma</b>														
		0/50	(0%)	0/50	(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%)	
<b>Overall Incidence</b>	Total	0/440 (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

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

Page: 10  
 Report Date: 11/07/2024

		Male					Female						
<b>#Bone:</b>													
<b>Osteosarcoma</b>													
		1/50	(2%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	1/50	(2%)	
		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%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)			Mean 0.25%	SD 0.71%	Total	3/490 (0.61%)			Mean 0.57%	SD 0.89%	
.....													
<b>#Bone:</b>													
<b>Osteosarcoma or Osteoma</b>													
		1/50	(2%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	1/50	(2%)	
		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%)	1/50	(2%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)			Mean 0.25%	SD 0.71%	Total	4/490 (0.82%)			Mean 0.79%	SD 0.98%	
.....													
<b>*Bone Marrow:</b>													
<b>Hemangiosarcoma</b>													
		0/8	(0%)	0/50	(0%)		0/4	(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%)
		2/50	(4%)	0/50	(0%)	0/50	(0%)	0/48	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	2/398 (0.5%)			Mean 0.5%	SD 1.41%	Total	1/442 (0.23%)			Mean 0.22%	SD 0.67%	
.....													
<b>*Bone Marrow:</b>													
<b>Mast Cell Tumor Malignant</b>													
		0/8	(0%)	0/50	(0%)		0/4	(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%)	0/48	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/398 (0.25%)			Mean 0.25%	SD 0.71%	Total	0/442 (0%)			Mean 0%	SD 0%	

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 11  
 Report Date: 11/07/2024

		Male				Female			
<b>*Brain:</b>									
<b>Meningioma Malignant</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	1/50 (2%)	
		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%)	
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	1/487 (0.21%)	Mean 0.22%	SD 0.67%	
.....									
<b>*Brain:</b>									
<b>Meningioma: Benign, Malignant, NOS</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	1/50 (2%)	
		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%)	
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	1/487 (0.21%)	Mean 0.22%	SD 0.67%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Malignant Fibrous Histiocytoma</b>									
		1/50 (2%)	0/49 (0%)			0/50 (0%)	0/47 (0%)	0/50 (0%)	
		0/50 (0%)	0/89 (0%)	0/50 (0%)		0/48 (0%)	0/82 (0%)	0/49 (0%)	
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/43 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/437 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/468 (0%)	Mean 0%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland:</b>									
<b>Mast Cell Tumor</b>									
		0/50 (0%)	0/49 (0%)			0/50 (0%)	0/47 (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%)	0/43 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/437 (0.23%)	Mean 0.14%	SD 0.4%	Total	0/468 (0%)	Mean 0%	SD 0%	

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 12  
 Report Date: 11/07/2024

		Male				Female			
<b>*Epididymis:</b>									
<b>Mast Cell Tumor</b>									
		0/50 (0%)	0/50 (0%)						
		0/50 (0%)	1/90 (1%)		0/50 (0%)				
		0/50 (0%)	0/50 (0%)		0/50 (0%)				
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%					
.....									
<b>#Harderian Gland:</b>									
<b>Adenocarcinoma</b>									
		3/50 (6%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)		
		1/50 (2%)	3/90 (3%)		2/50 (4%)	0/50 (0%)	0/90 (0%)	1/50 (2%)	
		1/50 (2%)	1/50 (2%)		2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	
<b>Overall Incidence</b>	Total	13/440 (2.95%)	Mean 2.92%	SD 1.81%	Total	4/490 (0.82%)	Mean 0.89%	SD 1.45%	
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		3/50 (6%)	6/50 (12%)		5/50 (10%)	3/50 (6%)	2/50 (4%)		
		5/50 (10%)	6/90 (7%)		6/50 (12%)	4/90 (4%)	3/50 (6%)		
		2/50 (4%)	5/50 (10%)		0/50 (0%)	1/50 (2%)	4/50 (8%)		
<b>Overall Incidence</b>	Total	33/440 (7.5%)	Mean 7.58%	SD 4.22%	Total	25/490 (5.1%)	Mean 5.16%	SD 2.65%	
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma or Adenocarcinoma</b>									
		6/50 (12%)	6/50 (12%)		5/50 (10%)	4/50 (8%)	2/50 (4%)		
		6/50 (12%)	9/90 (10%)		8/50 (16%)	4/90 (4%)	4/50 (8%)		
		3/50 (6%)	6/50 (12%)		2/50 (4%)	1/50 (2%)	6/50 (12%)		
<b>Overall Incidence</b>	Total	46/440 (10.45%)	Mean 10.5%	SD 3.82%	Total	29/490 (5.92%)	Mean 6.05%	SD 3.58%	

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

Version: Nov2024  
 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: 13  
 Report Date: 11/07/2024

		Male				Female			
<b>#Harderian Gland:</b>									
<b>Mast 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%)	1/90 (1%)	0/50 (0%)	0/50 (0%)	0/90 (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%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Large: Cecum:</b>									
<b>Leiomyoma</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%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (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%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Any Site:</b>									
<b>Adenocarcinoma</b>									
		3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (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%)	0/90 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	9/440 (2.05%)	Mean 1.92%	SD 2.32%	Total	2/490 (0.41%)	Mean 0.44%	SD 1.33%	
.....									
<b>#Intestine Small: Any Site:</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%)	0/90 (0%)	1/50 (2%)	1/50 (2%)	0/90 (0%)	0/90 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	5/440 (1.14%)	Mean 1.25%	SD 2.12%	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: Nov2024  
 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: 14  
 Report Date: 11/07/2024

		Male				Female			
<b>#Intestine Small: Any Site:</b>									
<b>Adenoma or Adenocarcinoma</b>									
		3/50 (6%)	1/50 (2%)		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%)	3/50 (6%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	14/440 (3.18%)	Mean 3.17%	SD 2.1%	Total	4/490 (0.82%)	Mean 0.89%	SD 1.45%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Adenocarcinoma</b>									
		0/50 (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%)		
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Duodenum:</b>									
<b>Adenoma</b>									
		0/50 (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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
<b>#Intestine Small: Ileum:</b>									
<b>Adenoma</b>									
		0/50 (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%)		
<b>Overall Incidence</b>	Total	0/440 (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: Nov2024  
 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: 15  
 Report Date: 11/07/2024

		Male				Female			
<b>#Intestine Small: Jejunum:</b>									
<b>Adenocarcinoma</b>									
		3/50 (6%)	0/50 (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%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	8/440 (1.82%)	Mean 1.78%	SD 2.26%	Total	2/490 (0.41%)	Mean 0.44%	SD 1.33%	
.....									
<b>#Intestine Small: Jejunum:</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%)	0/90 (0%)	1/50 (2%)	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%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	4/440 (0.91%)	Mean 1%	SD 1.51%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>#Intestine Small: Jejunum:</b>									
<b>Mast Cell Tumor</b>									
		0/50 (0%)	0/50 (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%)	
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>*Islets, Pancreatic:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/88 (0%)	0/50 (0%)	0/50 (0%)	0/87 (0%)	0/49 (0%)	0/49 (0%)	
		1/47 (2%)	0/50 (0%)	1/50 (2%)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	3/435 (0.69%)	Mean 0.77%	SD 1.06%	Total	1/483 (0.21%)	Mean 0.23%	SD 0.68%	

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

Version: Nov2024  
 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: 16  
 Report Date: 11/07/2024

		Male					Female						
<b>*Islets, Pancreatic:</b>													
<b>  Carcinoma</b>													
		1/50	(2%)	0/50	(0%)		0/49	(0%)	0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	Total	1/435 (0.23%)			Mean 0.25%	SD 0.71%	Total	1/483 (0.21%)			Mean 0.13%	SD 0.38%	
-----													
<b>*Islets, Pancreatic:</b>													
<b>  Carcinoma or Adenoma</b>													
		1/50	(2%)	0/50	(0%)		1/49	(2%)	0/50	(0%)	0/50	(0%)	
		1/50	(2%)	0/88	(0%)	0/50	(0%)	0/50	(0%)	1/87	(1%)	0/49	(0%)
		1/47	(2%)	0/50	(0%)	1/50	(2%)	0/48	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	4/435 (0.92%)			Mean 1.02%	SD 1.09%	Total	2/483 (0.41%)			Mean 0.35%	SD 0.74%	
-----													
<b>*Kidney: Renal Tubule:</b>													
<b>  Adenoma</b>													
		0/50	(0%)	0/49	(0%)		0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/90	(0%)	0/50	(0%)	1/50	(2%)	2/89	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/438 (0.23%)			Mean 0.26%	SD 0.72%	Total	3/488 (0.61%)			Mean 0.47%	SD 0.94%	
-----													
<b>*Kidney: Renal Tubule:</b>													
<b>  Carcinoma or Adenoma</b>													
		0/50	(0%)	0/49	(0%)		0/49	(0%)	0/50	(0%)	0/50	(0%)	
		0/50	(0%)	0/90	(0%)	0/50	(0%)	1/50	(2%)	2/89	(2%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	1/49	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/438 (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: Nov2024  
 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: 17  
 Report Date: 11/07/2024

		Male				Female			
<b>*Kidney: Renal Tubule: Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)			0/49 (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%)	
		1/50 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/438 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/488 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Mast Cell Tumor</b>									
		0/50 (0%)	0/49 (0%)			0/49 (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%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/438 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/488 (0%)	Mean 0%	SD 0%	
.....									
<b>*Kidney: Renal Tubule: Renal Mesenchymal Tumor</b>									
		0/50 (0%)	0/49 (0%)			0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	1/89 (1%)	0/50 (0%)	
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	0/438 (0%)	Mean 0%	SD 0%	Total	1/488 (0.2%)	Mean 0.12%	SD 0.37%	
.....									
<b>*Liver: Cholangiocarcinoma</b>									
		0/50 (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%)	
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/489 (0.2%)	Mean 0.22%	SD 0.67%	

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 18  
 Report Date: 11/07/2024

		Male					Female				
<b>*Liver:</b>											
<b>Hemangioma</b>											
		1/50 (2%)	0/50 (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%)	2/50 (4%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	<b>Total</b>	5/440 (1.14%)	Mean 1.25%	SD 1.49%		Total	0/489 (0%)	Mean 0%	SD 0%		
.....											
<b>*Liver:</b>											
<b>Hemangiosarcoma</b>											
		1/50 (2%)	0/50 (0%)			0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	1/90 (1%)	1/50 (2%)		0/50 (0%)	0/89 (0%)	0/50 (0%)	0/50 (0%)		
		2/50 (4%)	3/50 (6%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)		
<b>Overall Incidence</b>	<b>Total</b>	8/440 (1.82%)	Mean 1.89%	SD 2.16%		Total	2/489 (0.41%)	Mean 0.44%	SD 0.88%		
.....											
<b>*Liver:</b>											
<b>Hepatoblastoma</b>											
		0/50 (0%)	0/50 (0%)			0/50 (0%)	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%)	0/50 (0%)		
		4/50 (8%)	7/50 (14%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	<b>Total</b>	20/440 (4.55%)	Mean 4.33%	SD 4.87%		Total	1/489 (0.2%)	Mean 0.12%	SD 0.37%		
.....											
<b>*Liver:</b>											
<b>Hepatocellular Adenoma</b>											
		13/50 (26%)	23/50 (46%)			4/50 (8%)	6/50 (12%)	6/50 (12%)	6/50 (12%)		
		25/50 (50%)	52/90 (58%)	25/50 (50%)		12/50 (24%)	19/89 (21%)	8/50 (16%)	8/50 (16%)		
		26/50 (52%)	22/50 (44%)	21/50 (42%)		11/50 (22%)	10/50 (20%)	11/50 (22%)	11/50 (22%)		
<b>Overall Incidence</b>	<b>Total</b>	207/440 (47.05%)	Mean 45.97%	SD 9.46%		Total	87/489 (17.79%)	Mean 17.48%	SD 5.67%		

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

Version: Nov2024  
 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: 19  
 Report Date: 11/07/2024

		Male				Female			
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma</b>									
		13/50 (26%)	18/50 (36%)		6/50 (12%)	7/50 (14%)	3/50 (6%)		
		8/50 (16%)	28/90 (31%)	7/50 (14%)	7/50 (14%)	8/89 (9%)	3/50 (6%)		
		15/50 (30%)	11/50 (22%)	5/50 (10%)	2/50 (4%)	2/50 (4%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	105/440 (23.86%)	Mean 23.14%	SD 9.2%	Total	39/489 (7.98%)	Mean 7.89%	SD 4.54%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>									
		13/50 (26%)	18/50 (36%)		6/50 (12%)	7/50 (14%)	3/50 (6%)		
		9/50 (18%)	32/90 (36%)	8/50 (16%)	7/50 (14%)	9/89 (10%)	3/50 (6%)		
		17/50 (34%)	18/50 (36%)	6/50 (12%)	2/50 (4%)	2/50 (4%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	121/440 (27.5%)	Mean 26.69%	SD 10.08%	Total	40/489 (8.18%)	Mean 8.01%	SD 4.59%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>									
		25/50 (50%)	33/50 (66%)		9/50 (18%)	12/50 (24%)	8/50 (16%)		
		30/50 (60%)	67/90 (74%)	29/50 (58%)	18/50 (36%)	25/89 (28%)	9/50 (18%)		
		33/50 (66%)	30/50 (60%)	23/50 (46%)	13/50 (26%)	11/50 (22%)	12/50 (24%)		
<b>Overall Incidence</b>	Total	270/440 (61.36%)	Mean 60.06%	SD 9.11%	Total	117/489 (23.93%)	Mean 23.57%	SD 6.15%	
.....									
<b>*Liver:</b>									
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>									
		25/50 (50%)	33/50 (66%)		9/50 (18%)	12/50 (24%)	8/50 (16%)		
		31/50 (62%)	68/90 (76%)	30/50 (60%)	18/50 (36%)	25/89 (28%)	9/50 (18%)		
		34/50 (68%)	36/50 (72%)	24/50 (48%)	13/50 (26%)	11/50 (22%)	12/50 (24%)		
<b>Overall Incidence</b>	Total	281/440 (63.86%)	Mean 62.69%	SD 9.83%	Total	117/489 (23.93%)	Mean 23.57%	SD 6.15%	

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

Version: Nov2024  
 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: 20  
 Report Date: 11/07/2024

		Male				Female			
<b>*Liver:</b>									
<b>Hepatocolangiocarcinoma</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%)	1/90 (1%)	2/50 (4%)	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%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	7/440 (1.59%)	Mean 1.64%	SD 2.26%	Total	0/489 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Ito Cell Tumor 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%)	0/90 (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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/489 (0%)	Mean 0%	SD 0%	
.....									
<b>*Liver:</b>									
<b>Mast 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%)	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%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/489 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Adenoma</b>									
		4/50 (8%)	5/50 (10%)		3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
		11/50 (22%)	13/90 (14%)	8/50 (16%)	5/50 (10%)	3/90 (3%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
		5/50 (10%)	9/50 (18%)	8/50 (16%)	2/50 (4%)	0/50 (0%)	3/50 (6%)	3/50 (6%)	3/50 (6%)
<b>Overall Incidence</b>	Total	63/440 (14.32%)	Mean 14.31%	SD 4.71%	Total	21/490 (4.29%)	Mean 4.37%	SD 2.81%	

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 21  
 Report Date: 11/07/2024

		Male				Female			
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma</b>									
		6/50 (12%)	9/50 (18%)		3/50 (6%)	1/50 (2%)	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%)	2/50 (4%)	1/50 (2%)		
<b>Overall Incidence</b>	Total	42/440 (9.55%)	Mean 9.06%	SD 6.01%	Total	15/490 (3.06%)	Mean 3.04%	SD 2.24%	
.....									
<b>*Lung:</b>									
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>									
		10/50 (20%)	14/50 (28%)		6/50 (12%)	3/50 (6%)	2/50 (4%)		
		17/50 (34%)	23/90 (26%)	11/50 (22%)	5/50 (10%)	6/90 (7%)	4/50 (8%)		
		7/50 (14%)	10/50 (20%)	9/50 (18%)	4/50 (8%)	2/50 (4%)	4/50 (8%)		
<b>Overall Incidence</b>	Total	101/440 (22.95%)	Mean 22.69%	SD 6.29%	Total	36/490 (7.35%)	Mean 7.41%	SD 2.61%	
.....									
<b>*Lung:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (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%)	0/50 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>*Lung:</b>									
<b>Mast Cell Tumor</b>									
		0/50 (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%)		
<b>Overall Incidence</b>	Total	1/440 (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: Nov2024  
 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: 22  
 Report Date: 11/07/2024

		Male				Female			
<b>#Lymph Node:</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%)	0/90 (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%)	
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
-----									
<b>#Lymph Node:</b>									
<b>Mast Cell Tumor</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
-----									
<b>#Lymph Node, Axillary:</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%)	0/90 (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%)
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
-----									
<b>#Lymph Node, Mandibular:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/50 (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%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/440 (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: Nov2024  
 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: 23  
 Report Date: 11/07/2024

		Male				Female			
<b>#Lymph Node, Mandibular: Mast Cell Tumor</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node, Mandibular: Mast Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>#Lymph Node, Mesenteric: Hemangioma</b>									
		0/50 (0%)	0/50 (0%)			1/50 (2%)	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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
<b>#Lymph Node, Mesenteric: Mast Cell Tumor</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	1/440 (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: Nov2024  
 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: 24  
 Report Date: 11/07/2024

		Male				Female			
<b>#Lymph Node, Mesenteric:</b>									
<b>Mast Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
-----									
<b>#Mammary Gland:</b>									
<b>Adenocarcinoma</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
-----									
<b>#Mammary Gland:</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%)	0/90 (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%)	2/50 (4%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	3/490 (0.61%)	Mean 0.67%	SD 1.41%	
-----									
<b>#Mammary Gland:</b>									
<b>Adenoma or Adenocarcinoma</b>									
		0/50 (0%)	0/50 (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%)	2/50 (4%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	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: Nov2024  
 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: 25  
 Report Date: 11/07/2024

		Male				Female			
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	0/90 (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%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	3/490 (0.61%)	Mean 0.67%	SD 1.41%	
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Adenocarcinoma, or Adenoma</b>									
		0/50 (0%)	0/50 (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%)	1/50 (2%)	0/50 (0%)	2/50 (4%)		
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	4/490 (0.82%)	Mean 0.89%	SD 1.45%	
.....									
<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%)	0/90 (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%)		
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.12%	SD 0.37%	
.....									
<b>#Mesentery:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/50 (0%)		0/50 (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%)		
<b>Overall Incidence</b>	Total	3/440 (0.68%)	Mean 0.64%	SD 0.92%	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: Nov2024  
 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: 26  
 Report Date: 11/07/2024

		Male				Female						
<b>#Mesentery:</b>												
<b>Lipoma</b>												
		0/50	(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%)	1/50	(2%)	
<b>Overall Incidence</b>	Total	1/440 (0.23%)		Mean 0.14%		SD 0.39%		Total	1/490 (0.2%)		Mean 0.22%	SD 0.67%
<b>#Mesentery:</b>												
<b>Malignant Fibrous Histiocytoma</b>												
		1/50	(2%)	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%)	
<b>Overall Incidence</b>	Total	1/440 (0.23%)		Mean 0.25%		SD 0.71%		Total	0/490 (0%)		Mean 0%	SD 0%
<b>#Mesentery:</b>												
<b>Sarcoma</b>												
		0/50	(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%)	
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	0/490 (0%)		Mean 0%	SD 0%
<b>*Nose:</b>												
<b>Carcinoma</b>												
		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%)	0/89	(0%)	
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(2%)	
<b>Overall Incidence</b>	Total	0/439 (0%)		Mean 0%		SD 0%		Total	1/489 (0.2%)		Mean 0.22%	SD 0.67%

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 27  
 Report Date: 11/07/2024

		Male				Female			
<b>*Nose:</b>									
<b>Polyp</b>									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/90 (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%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/439 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/489 (0%)	Mean 0%	SD 0%	
.....									
<b>#Oral Mucosa:</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%)
		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%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
<b>#Oral Mucosa, Tongue, Pharynx, or 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%)
		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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
<b>#Oral Mucosa, Tongue, Pharynx, or Gingiva:</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%)
		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%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	0/440 (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: Nov2024  
 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: 28  
 Report Date: 11/07/2024

		Male				Female				
<b>#Oral Mucosa, Tongue, Pharynx, or 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%)	0/50 (0%)	0/50 (0%)	
		1/50 (2%)	0/90 (0%)	0/50 (0%)	0/50 (0%)	0/90 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	1/440 (0.23%)		Mean 0.25%	SD 0.71%	Total	2/490 (0.41%)		Mean 0.44%	SD 0.88%
.....										
<b>*Ovary:</b>										
<b>Adenocarcinoma, Cystadenoma, or Cystadenocarcinoma</b>										
					1/48 (2%)	1/48 (2%)	2/49 (4%)			
					2/50 (4%)	2/75 (3%)	3/49 (6%)			
					3/49 (6%)	3/48 (6%)	0/49 (0%)			
<b>Overall Incidence</b>	Total				17/465 (3.66%)		Mean 3.71%	SD 2.19%		
.....										
<b>*Ovary:</b>										
<b>Adenoma</b>										
					1/48 (2%)	0/48 (0%)	0/49 (0%)			
					0/50 (0%)	0/75 (0%)	0/49 (0%)			
					0/49 (0%)	0/48 (0%)	0/49 (0%)			
<b>Overall Incidence</b>	Total				1/465 (0.22%)		Mean 0.23%	SD 0.69%		
.....										
<b>*Ovary:</b>										
<b>Cystadenoma</b>										
					1/48 (2%)	1/48 (2%)	2/49 (4%)			
					2/50 (4%)	2/75 (3%)	3/49 (6%)			
					3/49 (6%)	3/48 (6%)	0/49 (0%)			
<b>Overall Incidence</b>	Total				17/465 (3.66%)		Mean 3.71%	SD 2.19%		

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

Version: Nov2024  
 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: 29  
 Report Date: 11/07/2024

	Male			Female			
<b>*Ovary:</b>							
Cystadenoma or Cystadenocarcinoma							
		1/48	(2%)	1/48	(2%)	2/49	(4%)
		2/50	(4%)	2/75	(3%)	3/49	(6%)
		3/49	(6%)	3/48	(6%)	0/49	(0%)
<b>Overall Incidence</b>	Total	17/465 (3.66%)		Mean	3.71%	SD 2.19%	
.....							
<b>*Ovary:</b>							
Granulosa-Theca Tumor Malignant							
		0/48	(0%)	0/48	(0%)	0/49	(0%)
		1/50	(2%)	0/75	(0%)	0/49	(0%)
		0/49	(0%)	0/48	(0%)	0/49	(0%)
<b>Overall Incidence</b>	Total	1/465 (0.22%)		Mean	0.22%	SD 0.67%	
.....							
<b>*Ovary:</b>							
Granulosa Cell Tumor Benign							
		0/48	(0%)	0/48	(0%)	0/49	(0%)
		0/50	(0%)	1/75	(1%)	0/49	(0%)
		0/49	(0%)	0/48	(0%)	1/49	(2%)
<b>Overall Incidence</b>	Total	2/465 (0.43%)		Mean	0.37%	SD 0.76%	
.....							
<b>*Ovary:</b>							
Granulosa Cell Tumor, Luteoma, Thecoma, or Sertoli Cell Tumor (Benign, Malignant, NOS)							
		2/48	(4%)	1/48	(2%)	0/49	(0%)
		2/50	(4%)	2/75	(3%)	0/49	(0%)
		1/49	(2%)	1/48	(2%)	1/49	(2%)
<b>Overall Incidence</b>	Total	10/465 (2.15%)		Mean	2.12%	SD 1.46%	

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 30  
 Report Date: 11/07/2024

	Male	Female
<b>*Ovary:</b>		
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>		
	0/48 (0%)	0/48 (0%)
	0/50 (0%)	1/75 (1%)
	0/49 (0%)	1/49 (2%)
<b>Overall Incidence</b>	Total 2/465 (0.43%)	Mean 0.37% SD 0.76%
<b>*Ovary:</b>		
<b>Hemangioma</b>		
	0/48 (0%)	0/48 (0%)
	0/50 (0%)	2/75 (3%)
	0/49 (0%)	0/49 (0%)
<b>Overall Incidence</b>	Total 4/465 (0.86%)	Mean 0.76% SD 1.55%
<b>*Ovary:</b>		
<b>Hemangiosarcoma</b>		
	0/48 (0%)	0/48 (0%)
	0/50 (0%)	0/75 (0%)
	0/49 (0%)	0/49 (0%)
<b>Overall Incidence</b>	Total 0/465 (0%)	Mean 0% SD 0%
<b>*Ovary:</b>		
<b>Luteoma</b>		
	2/48 (4%)	1/48 (2%)
	2/50 (4%)	0/75 (0%)
	1/49 (2%)	0/49 (0%)
<b>Overall Incidence</b>	Total 6/465 (1.29%)	Mean 1.37% SD 1.77%

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 31  
 Report Date: 11/07/2024

	Male		Female		
<b>*Ovary:</b>					
Teratoma					
	1/48	(2%)	0/48	(0%)	0/49 (0%)
	0/50	(0%)	0/75	(0%)	0/49 (0%)
	0/49	(0%)	0/48	(0%)	0/49 (0%)
<b>Overall Incidence</b>	Total	1/465 (0.22%)	Mean	0.23%	SD 0.69%
.....					
<b>*Ovary:</b>					
Teratoma (Benign or Malignant), Yolk Sac Carcinoma (Malignant), or Choriocarcinoma (Malignant)					
	1/48	(2%)	0/48	(0%)	0/49 (0%)
	0/50	(0%)	0/75	(0%)	0/49 (0%)
	0/49	(0%)	0/48	(0%)	0/49 (0%)
<b>Overall Incidence</b>	Total	1/465 (0.22%)	Mean	0.23%	SD 0.69%
.....					
<b>*Ovary:</b>					
Teratoma, Benign or Malignant					
	1/48	(2%)	0/48	(0%)	0/49 (0%)
	0/50	(0%)	0/75	(0%)	0/49 (0%)
	0/49	(0%)	0/48	(0%)	0/49 (0%)
<b>Overall Incidence</b>	Total	1/465 (0.22%)	Mean	0.23%	SD 0.69%
.....					
<b>*Ovary:</b>					
Thecoma Benign					
	0/48	(0%)	0/48	(0%)	0/49 (0%)
	0/50	(0%)	0/75	(0%)	0/49 (0%)
	0/49	(0%)	1/48	(2%)	0/49 (0%)
<b>Overall Incidence</b>	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: Nov2024  
 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: 32  
 Report Date: 11/07/2024

		Male				Female								
<b>*Ovary:</b>														
<b>Thecoma Malignant</b>														
					0/48	(0%)	0/48	(0%)	0/49	(0%)				
					0/50	(0%)	1/75	(1%)	0/49	(0%)				
					0/49	(0%)	0/48	(0%)	0/49	(0%)				
<b>Overall Incidence</b>					Total	1/465	(0.22%)	Mean	0.15%	SD	0.44%			
.....														
<b>*Ovary:</b>														
<b>Tubulostromal Adenoma</b>														
					0/48	(0%)	0/48	(0%)	0/49	(0%)				
					0/50	(0%)	0/75	(0%)	1/49	(2%)				
					0/49	(0%)	0/48	(0%)	0/49	(0%)				
<b>Overall Incidence</b>					Total	1/465	(0.22%)	Mean	0.23%	SD	0.68%			
.....														
<b>*Ovary:</b>														
<b>Tubulostromal Carcinoma</b>														
					0/48	(0%)	0/48	(0%)	0/49	(0%)				
					0/50	(0%)	0/75	(0%)	0/49	(0%)				
					0/49	(0%)	1/48	(2%)	0/49	(0%)				
<b>Overall Incidence</b>					Total	1/465	(0.22%)	Mean	0.23%	SD	0.69%			
.....														
<b>*Pancreas:</b>														
<b>Malignant Fibrous Histiocytoma</b>														
		1/50	(2%)	0/50	(0%)		0/49	(0%)	0/50	(0%)	0/50	(0%)		
		0/50	(0%)	0/87	(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%)	
<b>Overall Incidence</b>	Total	1/437 (0.23%)		Mean	0.25%	SD	0.71%	Total	0/486 (0%)		Mean	0%	SD	0%

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

#: Denominator is number of animals necropsied



Version: Nov2024  
 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: 33  
 Report Date: 11/07/2024

		Male				Female			
<b>*Pancreas:</b>									
<b>Mast Cell Tumor</b>									
		0/50 (0%)	0/50 (0%)			0/49 (0%)	0/50 (0%)	0/50 (0%)	
		0/50 (0%)	1/87 (1%)	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%)	
<b>Overall Incidence</b>	Total	1/437 (0.23%)	Mean 0.14%	SD 0.41%	Total	0/486 (0%)	Mean 0%	SD 0%	
<b>*Parathyroid Gland:</b>									
<b>Carcinoma</b>									
		0/47 (0%)	0/49 (0%)			0/46 (0%)	0/47 (0%)	0/41 (0%)	
		0/36 (0%)	0/68 (0%)	0/40 (0%)		0/36 (0%)	0/60 (0%)	0/37 (0%)	
		0/44 (0%)	0/38 (0%)	1/42 (2%)		0/45 (0%)	0/35 (0%)	0/43 (0%)	
<b>Overall Incidence</b>	Total	1/364 (0.27%)	Mean 0.3%	SD 0.84%	Total	0/390 (0%)	Mean 0%	SD 0%	
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)			5/50 (10%)	8/48 (17%)	2/49 (4%)	
		0/50 (0%)	0/86 (0%)	0/48 (0%)		4/50 (8%)	6/80 (8%)	3/47 (6%)	
		0/48 (0%)	0/43 (0%)	0/50 (0%)		2/50 (4%)	7/46 (15%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	0/424 (0%)	Mean 0%	SD 0%	Total	40/470 (8.51%)	Mean 8.65%	SD 4.55%	
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)			5/50 (10%)	8/48 (17%)	2/49 (4%)	
		0/50 (0%)	0/86 (0%)	0/48 (0%)		4/50 (8%)	6/80 (8%)	3/47 (6%)	
		0/48 (0%)	0/43 (0%)	0/50 (0%)		2/50 (4%)	7/46 (15%)	3/50 (6%)	
<b>Overall Incidence</b>	Total	0/424 (0%)	Mean 0%	SD 0%	Total	40/470 (8.51%)	Mean 8.65%	SD 4.55%	

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 34  
 Report Date: 11/07/2024

		Male				Female			
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Adenoma</b>									
		0/50 (0%)	0/49 (0%)		1/50 (2%)	0/48 (0%)	0/49 (0%)		
		0/50 (0%)	0/86 (0%)	0/48 (0%)	0/50 (0%)	0/80 (0%)	0/47 (0%)		
		0/48 (0%)	0/43 (0%)	0/50 (0%)	0/50 (0%)	1/46 (2%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/424 (0%)	Mean 0%	SD 0%	Total	2/470 (0.43%)	Mean 0.46%	SD 0.92%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50 (0%)	0/49 (0%)		1/50 (2%)	0/48 (0%)	0/49 (0%)		
		0/50 (0%)	0/86 (0%)	0/48 (0%)	0/50 (0%)	0/80 (0%)	0/47 (0%)		
		0/48 (0%)	0/43 (0%)	0/50 (0%)	0/50 (0%)	1/46 (2%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	0/424 (0%)	Mean 0%	SD 0%	Total	2/470 (0.43%)	Mean 0.46%	SD 0.92%	
.....									
<b>*Pituitary Gland: Pars Intermedia:</b>									
<b>Schwannoma Malignant</b>									
		0/50 (0%)	0/49 (0%)		0/50 (0%)	0/48 (0%)	0/49 (0%)		
		1/50 (2%)	0/86 (0%)	0/48 (0%)	0/50 (0%)	0/80 (0%)	0/47 (0%)		
		0/48 (0%)	0/43 (0%)	0/50 (0%)	0/50 (0%)	0/46 (0%)	0/50 (0%)		
<b>Overall Incidence</b>	Total	1/424 (0.24%)	Mean 0.25%	SD 0.71%	Total	0/470 (0%)	Mean 0%	SD 0%	
.....									
<b>*Prostate:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/49 (0%)						
		0/50 (0%)	0/90 (0%)	1/50 (2%)					
		0/50 (0%)	0/50 (0%)	0/50 (0%)					
<b>Overall Incidence</b>	Total	1/439 (0.23%)	Mean 0.25%	SD 0.71%					

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 35  
 Report Date: 11/07/2024

		Male				Female			
<b>*Prostate:</b>									
<b>Mast Cell Tumor</b>									
		0/50	(0%)	0/49	(0%)				
		0/50	(0%)	1/90	(1%)	0/50	(0%)		
		0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	1/439 (0.23%)		Mean 0.14%		SD 0.39%			
.....									
<b>*Salivary Glands:</b>									
<b>Adenocarcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/90	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/89	(0%)
								0/50	(0%)
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	1/489 (0.2%)
								Mean	0.22%
								SD	0.67%
.....									
<b>*Salivary Glands:</b>									
<b>Adenoma or Adenocarcinoma</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/90	(0%)	0/50	(0%)	1/50	(2%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/89	(0%)
								0/50	(0%)
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	1/489 (0.2%)
								Mean	0.22%
								SD	0.67%
.....									
<b>*Salivary Glands:</b>									
<b>Mast Cell Tumor</b>									
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	1/90	(1%)	0/50	(0%)	0/50	(0%)
		0/50	(0%)	0/50	(0%)	0/50	(0%)	0/89	(0%)
								0/50	(0%)
<b>Overall Incidence</b>	Total	1/440 (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: Nov2024  
 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: 36  
 Report Date: 11/07/2024

		Male				Female							
<b>#Seminal Vesicle:</b>													
<b>Fibroma</b>													
		0/50	(0%)	0/50	(0%)								
		0/50	(0%)	1/90	(1%)	0/50	(0%)						
		0/50	(0%)	0/50	(0%)	0/50	(0%)						
<b>Overall Incidence</b>	Total	1/440 (0.23%)		Mean 0.14%		SD 0.39%							
-----													
<b>#Skeletal Muscle:</b>													
<b>Fibrosarcoma</b>													
		0/50	(0%)	0/50	(0%)	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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	1/490 (0.2%)	Mean	0.22%	SD	0.67%
-----													
<b>#Skeletal Muscle:</b>													
<b>Hemangiosarcoma</b>													
		0/50	(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%)	0/50	(0%)		
		1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)	0/50	(0%)		
<b>Overall Incidence</b>	Total	1/440 (0.23%)		Mean 0.25%		SD 0.71%		Total	0/490 (0%)	Mean	0%	SD	0%
-----													
<b>#Skeletal Muscle:</b>													
<b>Osteosarcoma</b>													
		0/50	(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%)
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	1/490 (0.2%)	Mean	0.12%	SD	0.37%

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 37  
 Report Date: 11/07/2024

		Male					Female						
<b>#Skeletal Muscle:</b>													
<b>Rhabdomyosarcoma</b>													
		0/50	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	1/50	(2%)	
		1/50	(2%)	0/90	(0%)	0/50	(0%)	2/50	(4%)	0/90	(0%)	1/50	(2%)
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/440 (0.68%)			Mean 0.75%	SD 1.49%	Total	6/490 (1.22%)			Mean 1.33%	SD 1.41%	
.....													
<b>#Skeletal Muscle:</b>													
<b>Rhabdomyosarcoma or Rhabdomyoma</b>													
		0/50	(0%)	0/50	(0%)		1/50	(2%)	0/50	(0%)	1/50	(2%)	
		1/50	(2%)	0/90	(0%)	0/50	(0%)	2/50	(4%)	0/90	(0%)	1/50	(2%)
		0/50	(0%)	2/50	(4%)	0/50	(0%)	0/50	(0%)	1/50	(2%)	0/50	(0%)
<b>Overall Incidence</b>	Total	3/440 (0.68%)			Mean 0.75%	SD 1.49%	Total	6/490 (1.22%)			Mean 1.33%	SD 1.41%	
.....													
<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%)	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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)			Mean 0.14%	SD 0.39%	Total	1/490 (0.2%)			Mean 0.22%	SD 0.67%	
.....													
<b>#Skin:</b>													
<b>Basal Cell Adenoma</b>													
		0/50	(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%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	1/440 (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: Nov2024  
 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: 38  
 Report Date: 11/07/2024

		Male				Female					
<b>#Skin:</b>											
<b>Basal or Squamous Cell Carcinoma, Basosquamous Tumor (Malignant or Benign), Basal Cell Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma, Adenoma, Sebaceous Gland Adenoma, or Sebaceous Gland Adenocarcinoma</b>											
		0/50	(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%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	<b>Total</b>	2/440 (0.45%)		Mean 0.5%		SD 0.93%		<b>Total</b>		0/490 (0%)	
								<b>Mean</b>		0%	
								<b>SD</b>		0%	
.....											
<b>#Skin:</b>											
<b>Basosquamous Tumor (Benign), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma, or Sebaceous Gland Adenoma</b>											
		0/50	(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%)	1/50	(2%)	0/50	(0%)	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	<b>Total</b>	2/440 (0.45%)		Mean 0.5%		SD 0.93%		<b>Total</b>		0/490 (0%)	
								<b>Mean</b>		0%	
								<b>SD</b>		0%	
.....											
<b>#Skin:</b>											
<b>Fibroma</b>											
		0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/440 (0%)		Mean 0%		SD 0%		<b>Total</b>		1/490 (0.2%)	
								<b>Mean</b>		0.12%	
								<b>SD</b>		0.37%	
.....											
<b>#Skin:</b>											
<b>Fibroma or Myxoma</b>											
		0/50	(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%)
<b>Overall Incidence</b>	<b>Total</b>	0/440 (0%)		Mean 0%		SD 0%		<b>Total</b>		1/490 (0.2%)	
								<b>Mean</b>		0.12%	
								<b>SD</b>		0.37%	

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

Version: Nov2024  
 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: 39  
 Report Date: 11/07/2024

		Male				Female			
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Pleomorphic Fibrosarcoma</b>									
		1/50 (2%)	1/50 (2%)			1/50 (2%)	3/50 (6%)	1/50 (2%)	
		1/50 (2%)	1/90 (1%)	0/50 (0%)		1/50 (2%)	6/90 (7%)	2/50 (4%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/440 (1.36%)	Mean 1.39%	SD 1.4%	Total	18/490 (3.67%)	Mean 3.41%	SD 2.34%	
.....									
<b>#Skin:</b>									
<b>Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Pleomorphic Fibrosarcoma, or Hemangiopericytoma</b>									
		1/50 (2%)	1/50 (2%)			1/50 (2%)	3/50 (6%)	1/50 (2%)	
		1/50 (2%)	1/90 (1%)	0/50 (0%)		1/50 (2%)	6/90 (7%)	2/50 (4%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/440 (1.36%)	Mean 1.39%	SD 1.4%	Total	18/490 (3.67%)	Mean 3.41%	SD 2.34%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	2/50 (4%)	0/50 (0%)	
		0/50 (0%)	0/90 (0%)	0/50 (0%)		0/50 (0%)	3/90 (3%)	1/50 (2%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	2/440 (0.45%)	Mean 0.5%	SD 1.41%	Total	9/490 (1.84%)	Mean 1.7%	SD 2.26%	
.....									
<b>#Skin:</b>									
<b>Fibrosarcoma, Sarcoma, Myxosarcoma, or Pleomorphic Fibrosarcoma</b>									
		1/50 (2%)	1/50 (2%)			1/50 (2%)	3/50 (6%)	1/50 (2%)	
		1/50 (2%)	1/90 (1%)	0/50 (0%)		1/50 (2%)	5/90 (6%)	2/50 (4%)	
		0/50 (0%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	3/50 (6%)	0/50 (0%)	
<b>Overall Incidence</b>	Total	6/440 (1.36%)	Mean 1.39%	SD 1.4%	Total	17/490 (3.47%)	Mean 3.28%	SD 2.17%	

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 40  
 Report Date: 11/07/2024

		Male				Female			
<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%)	0/90 (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%)
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>#Skin:</b>									
<b>Hemangiosarcoma</b>									
		0/50 (0%)	0/50 (0%)			1/50 (2%)	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%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	3/440 (0.68%)	Mean 0.64%	SD 1.41%	Total	5/490 (1.02%)	Mean 0.91%	SD 1.09%	
.....									
<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%)	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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	1/490 (0.2%)	Mean 0.12%	SD 0.37%	
.....									
<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%)	0/90 (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%)
<b>Overall Incidence</b>	Total	0/440 (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: Nov2024  
 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: 41  
 Report Date: 11/07/2024

		Male				Female			
<b>#Skin:</b>									
<b>Melanoma</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%	
<hr/>									
<b>#Skin:</b>									
<b>Osteosarcoma</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	1/490 (0.2%)	Mean 0.12%	SD 0.37%	
<hr/>									
<b>#Skin:</b>									
<b>Pilomatrixoma</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.14%	SD 0.39%	Total	0/490 (0%)	Mean 0%	SD 0%	
<hr/>									
<b>#Skin:</b>									
<b>Pleomorphic Fibrosarcoma</b>									
		1/50 (2%)	1/50 (2%)			1/50 (2%)	1/50 (2%)	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%)
<b>Overall Incidence</b>	Total	4/440 (0.91%)	Mean 0.89%	SD 0.99%	Total	4/490 (0.82%)	Mean 0.89%	SD 1.05%	

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 42  
 Report Date: 11/07/2024

		Male				Female							
<b>#Skin:</b>													
<b>Sarcoma</b>													
		0/50	(0%)	0/50	(0%)			0/50	(0%)	0/50	(0%)	1/50	(2%)
		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%)
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	4/490 (0.82%)		Mean 0.69%		SD 1.04%
.....													
<b>#Skin:</b>													
<b>Schwannoma Malignant</b>													
		0/50	(0%)	0/50	(0%)			1/50	(2%)	2/50	(4%)	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%)
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%		Total	3/490 (0.61%)		Mean 0.67%		SD 1.41%
.....													
<b>#Skin: Sebaceous Gland:</b>													
<b>Adenoma</b>													
		0/50	(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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)		Mean 0.25%		SD 0.71%		Total	0/490 (0%)		Mean 0%		SD 0%
.....													
<b>#Spinal Cord:</b>													
<b>Astrocytoma Malignant</b>													
		0/50	(0%)	0/50	(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%)
<b>Overall Incidence</b>	Total	0/440 (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: Nov2024  
 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: 43  
 Report Date: 11/07/2024

		Male				Female			
<b>#Spinal Cord:</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%)	0/90 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
-----									
<b>*Spleen:</b>									
<b>Hemangiosarcoma</b>									
		1/50 (2%)	0/50 (0%)			1/50 (2%)	0/50 (0%)	1/50 (2%)	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%)	0/49 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	9/435 (2.07%)	Mean 2.27%	SD 2.76%	Total	4/485 (0.82%)	Mean 0.89%	SD 1.06%	
-----									
<b>#Stomach, Forestomach:</b>									
<b>Mast Cell Tumor Malignant</b>									
		0/50 (0%)	0/50 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
-----									
<b>#Stomach, Forestomach:</b>									
<b>Papilloma</b>									
		1/50 (2%)	0/50 (0%)			0/50 (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%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/440 (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: Nov2024  
 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: 44  
 Report Date: 11/07/2024

		Male				Female			
<b>#Stomach, Forestomach:</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%)
		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%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/440 (0.45%)	Mean 0.5%	SD 0.93%	Total	4/490 (0.82%)	Mean 0.79%	SD 0.98%	
.....									
<b>#Stomach, Forestomach:</b>									
<b>Squamous Cell Papilloma</b>									
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
		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%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/440 (0.45%)	Mean 0.5%	SD 0.93%	Total	4/490 (0.82%)	Mean 0.79%	SD 0.98%	
.....									
<b>#Stomach, Glandular:</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%)	0/90 (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%)
<b>Overall Incidence</b>	Total	0/440 (0%)	Mean 0%	SD 0%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<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%)	0/90 (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%)
<b>Overall Incidence</b>	Total	0/440 (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: Nov2024  
 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: 45  
 Report Date: 11/07/2024

		Male				Female						
<b>*Testis:</b>												
<b>Adenoma</b>												
		0/50	(0%)	0/50	(0%)							
		0/50	(0%)	2/90	(2%)	0/50	(0%)					
		0/50	(0%)	1/50	(2%)	0/50	(0%)					
<b>Overall Incidence</b>	Total	3/440 (0.68%)		Mean 0.53%		SD 0.98%						
-----												
<b>*Testis:</b>												
<b>Hemangioma</b>												
		0/50	(0%)	0/50	(0%)							
		0/50	(0%)	0/90	(0%)	0/50	(0%)					
		0/50	(0%)	0/50	(0%)	0/50	(0%)					
<b>Overall Incidence</b>	Total	0/440 (0%)		Mean 0%		SD 0%						
-----												
<b>*Thymus:</b>												
<b>Hemangioma</b>												
		0/48	(0%)	0/46	(0%)	1/47	(2%)	0/49	(0%)	0/48	(0%)	
		0/48	(0%)	0/75	(0%)	0/41	(0%)	0/85	(0%)	0/49	(0%)	
		0/45	(0%)	0/46	(0%)	0/46	(0%)	0/47	(0%)	0/48	(0%)	
<b>Overall Incidence</b>	Total	0/395 (0%)		Mean 0%		SD 0%		Total	1/472 (0.21%)		Mean 0.24%	SD 0.71%
-----												
<b>*Thymus:</b>												
<b>Hemangiosarcoma</b>												
		0/48	(0%)	0/46	(0%)	0/47	(0%)	0/49	(0%)	0/48	(0%)	
		0/48	(0%)	0/75	(0%)	0/41	(0%)	0/85	(0%)	0/49	(0%)	
		0/45	(0%)	1/46	(2%)	0/46	(0%)	0/47	(0%)	0/48	(0%)	
<b>Overall Incidence</b>	Total	1/395 (0.25%)		Mean 0.27%		SD 0.77%		Total	0/472 (0%)		Mean 0%	SD 0%

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 46  
 Report Date: 11/07/2024

		Male					Female									
<b>*Thymus:</b>																
<b>Thymoma Benign</b>																
		0/48	(0%)	0/46	(0%)		0/47	(0%)	0/49	(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%)	1/47	(2%)	0/48	(0%)			
<b>Overall Incidence</b>	Total	0/395 (0%)			Mean	0%	SD	0%	Total	1/472 (0.21%)			Mean	0.24%	SD	0.71%
.....																
<b>*Thyroid Gland: C-Cell:</b>																
<b>Carcinoma</b>																
		0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(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%)	0/48	(0%)	0/49	(0%)			
<b>Overall Incidence</b>	Total	0/438 (0%)			Mean	0%	SD	0%	Total	1/482 (0.21%)			Mean	0.13%	SD	0.39%
.....																
<b>*Thyroid Gland: C-Cell:</b>																
<b>Carcinoma or Adenoma</b>																
		0/49	(0%)	0/50	(0%)		0/50	(0%)	0/50	(0%)	0/50	(0%)				
		0/50	(0%)	0/89	(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%)	0/48	(0%)	0/49	(0%)			
<b>Overall Incidence</b>	Total	0/438 (0%)			Mean	0%	SD	0%	Total	1/482 (0.21%)			Mean	0.13%	SD	0.39%
.....																
<b>*Thyroid Gland: Follicular Cell:</b>																
<b>Adenoma</b>																
		0/49	(0%)	0/50	(0%)		2/50	(4%)	0/50	(0%)	0/50	(0%)				
		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%)	1/49	(2%)	0/49	(0%)			
<b>Overall Incidence</b>	Total	0/438 (0%)			Mean	0%	SD	0%	Total	4/483 (0.83%)			Mean	0.9%	SD	1.46%

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 47  
 Report Date: 11/07/2024

		Male					Female				
<b>*Thyroid Gland: Follicular Cell: Carcinoma</b>											
		0/49 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (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%)	1/50 (2%)		0/49 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	Total	1/438 (0.23%)	Mean 0.25%	SD 0.71%		Total	1/483 (0.21%)	Mean 0.22%	SD 0.67%		
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>											
		0/49 (0%)	0/50 (0%)			2/50 (4%)	0/50 (0%)	1/50 (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%)	1/50 (2%)		1/49 (2%)	1/49 (2%)	0/49 (0%)	0/49 (0%)		
<b>Overall Incidence</b>	Total	1/438 (0.23%)	Mean 0.25%	SD 0.71%		Total	5/483 (1.04%)	Mean 1.12%	SD 1.46%		
<b>#Tongue: 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%)		
		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%)		
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%		Total	1/490 (0.2%)	Mean 0.22%	SD 0.67%		
<b>#Tongue: Squamous Cell Papilloma</b>											
		0/50 (0%)	0/50 (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%)		
<b>Overall Incidence</b>	Total	1/440 (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: Nov2024  
 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: 48  
 Report Date: 11/07/2024

		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%)	0/90 (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%)
<b>Overall Incidence</b>	Total	1/440 (0.23%)	Mean 0.25%	SD 0.71%	Total	0/490 (0%)	Mean 0%	SD 0%	
.....									
<b>*Urinary Bladder:</b>									
<b>Mast Cell Tumor</b>									
		0/50 (0%)	0/48 (0%)			0/49 (0%)	0/45 (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%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
<b>Overall Incidence</b>	Total	1/434 (0.23%)	Mean 0.14%	SD 0.41%	Total	0/478 (0%)	Mean 0%	SD 0%	
.....									
<b>*Uterus:</b>									
<b>Adenocarcinoma or Adenoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/89 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total				Total	1/489 (0.2%)	Mean 0.22%	SD 0.67%	
.....									
<b>*Uterus:</b>									
<b>Adenoma</b>									
						0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	0/89 (0%)	0/50 (0%)	0/50 (0%)
						0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
<b>Overall Incidence</b>	Total				Total	1/489 (0.2%)	Mean 0.22%	SD 0.67%	

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



Version: Nov2024  
 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: 49  
 Report Date: 11/07/2024

	Male			Female		
<b>*Uterus:</b>						
<b>Fibroma</b>						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	1/89	(1%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/489	(0.2%)	Mean	0.12%	SD 0.37%
.....						
<b>*Uterus:</b>						
<b>Granular Cell Tumor Benign</b>						
		0/50	(0%)	0/50	(0%)	1/50 (2%)
		0/50	(0%)	0/89	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/489	(0.2%)	Mean	0.22%	SD 0.67%
.....						
<b>*Uterus:</b>						
<b>Hemangioma</b>						
		1/50	(2%)	0/50	(0%)	1/50 (2%)
		0/50	(0%)	0/89	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/489	(0.41%)	Mean	0.44%	SD 0.88%
.....						
<b>*Uterus:</b>						
<b>Hemangiosarcoma</b>						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		1/50	(2%)	0/89	(0%)	0/50 (0%)
		1/50	(2%)	0/50	(0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	2/489	(0.41%)	Mean	0.44%	SD 0.88%

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 50  
 Report Date: 11/07/2024

	Male			Female		
<b>*Uterus:</b>						
<b>Leiomyoma</b>						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	1/89	(1%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/489	(0.2%)	Mean	0.12%	SD 0.37%
.....						
<b>*Uterus:</b>						
<b>Leiomyosarcoma or Leiomyoma</b>						
		0/50	(0%)	0/50	(0%)	0/50 (0%)
		0/50	(0%)	1/89	(1%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/489	(0.2%)	Mean	0.12%	SD 0.37%
.....						
<b>*Uterus:</b>						
<b>Polyp Stromal</b>						
		6/50	(12%)	0/50	(0%)	1/50 (2%)
		0/50	(0%)	0/89	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	1/50 (2%)
<b>Overall Incidence</b>	Total	8/489	(1.64%)	Mean	1.78%	SD 3.93%
.....						
<b>*Uterus:</b>						
<b>Sarcoma</b>						
		0/50	(0%)	0/50	(0%)	1/50 (2%)
		0/50	(0%)	0/89	(0%)	0/50 (0%)
		0/50	(0%)	0/50	(0%)	0/50 (0%)
<b>Overall Incidence</b>	Total	1/489	(0.2%)	Mean	0.22%	SD 0.67%

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

#: Denominator is number of animals necropsied

Version: Nov2024  
 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: 51  
 Report Date: 11/07/2024

	Male		Female	
<b>*Uterus:</b>				
<b>Sarcoma Stromal or Polyp Stromal</b>				
	6/50	(12%)	0/50	(0%)
	0/50	(0%)	0/89	(0%)
	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	8/489 (1.64%)	Mean	1.78%
			SD	3.93%
<b>#Vagina:</b>				
<b>Hemangioma</b>				
	0/50	(0%)	0/49	(0%)
	0/50	(0%)	0/90	(0%)
	0/50	(0%)	0/50	(0%)
<b>Overall Incidence</b>	Total	0/489 (0%)	Mean	0%
			SD	0%

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